- X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00001XX Function01 Answers for No. 9589

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-4,2^{*} 2^{\wedge}(1 / 2)\right),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(1,13^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right),(4,4)\right\} \\
.2=\{(-4,37),(-1,7),(0,5),(1,7),(3,23),(4,37)\}
\end{array}\right]
$$

$$
\text { Ans3 }=\left[\begin{array}{c}
.1=-1 \\
.2=-1 \\
.3=1 \\
.4=\text { undefined } \\
.5=-3 \\
.6=\text { undefined }
\end{array}\right]
$$

$$
I=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
$$

$$
\left.\begin{array}{c}
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=1\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-74<y<=7\}\right)
$$

x [Page = 0001] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00002XX Function01 Answers for No. 9707

$$
\text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-4<y<=12\}\right)
$$

x [Page = 0002] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& A n s 2=\left[\begin{array}{c}
.1=\{(-5,95),(-3,31),(0,-5),(2,11),(3,31),(5,95)\} \\
.2=\left\{(-5,3),\left(-3,11^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),(2,4),\left(3,17^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
.1=-10 \\
.2=\text { undefined } \\
.3=5 \\
.4=2 \\
.5=2 \\
.6=0
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{l}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5=\left[\begin{array}{l}
.1=\left[\begin{array}{l}
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
D_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
D_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=1\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
D_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00003XX Function01 Answers for No. 9821

$$
\text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{r}
.1=\left\{\left(-5,6^{\wedge}(1 / 2)\right),(-2,3),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2^{*} 3^{\wedge}(1 / 2)\right),\left(2,13^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,80),(-2,17),(-1,8),(0,5),(1,8),(2,17)\}
\end{array}\right]
$$

$$
\operatorname{Ans} 3=\left[\begin{array}{c}
.1=-13 \\
.2=2 \\
.3=2 \\
.4=2 \\
.5=-1 \\
.6=-h
\end{array}\right],
$$

$$
=\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=2\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=-2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-16<y<=9\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00004XX Function01 Answers for No. 10352

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<=y<52\}\right)
$$

x [Page = 0004] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-5,7^{\wedge}(1 / 2)\right),(-3,3),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right),(4,4),\left(5,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,127),(-3,47),(0,2),(3,47),(4,82),(5,127)\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00005XX Function01 Answers for No. 10380

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{(-3,3),\left(-2,10^{\wedge}(1 / 2)\right),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(1,13^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,13),(-2,3),(-1,-3),(0,-5),(1,-3),(2,3)\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
.1=-5 \\
.2=0 \\
.3=0 \\
.4=0 \\
.5=-2 \\
.6=-h
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
D_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
D_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=1\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{array}\right] \\
& \text { Ans6 }=\left(R_{f}=\{y \mid-13<=y<68\}\right)
\end{aligned}
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00006XX Function01 Answers for No. 10412

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\{(-5,119),(-4,74),(-1,-1),(0,-6),(1,-1),(5,119)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-4,11^{\wedge}(1 / 2)\right),\left(-1,14^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),(1,4),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=19 \\
.2=\text { undefined } \\
.3=1 \\
.4=\text { undefined } \\
.5=5 \\
.6=\text { undefined }
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5= \\
& I=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& \begin{array}{r}
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right. \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array} \\
& \left..4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=-1\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \quad\right]
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<=y<24\}\right)
$$

x [Page = 0006] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00007XX Function01 Answers for No. 10487

$$
\operatorname{Ans6}=\left(R_{f}=\{y \mid-11<=y<38\}\right)
$$

x [Page = 0007] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{(-4,3),\left(-3,10^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),(3,4),\left(4,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-4,27),(-3,13),(0,-5),(1,-3),(3,13),(4,27)\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=-9 \\
.2=\text { undefined } \\
.3=-5 \\
.4=\text { undefined } \\
.5=-6 \\
.6=\text { undefined }
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad \text { Ans } 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-2\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-1\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00008XX Function01 Answers for No. 10644

$$
\text { Ansl }=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-3,2^{*} 3^{\wedge}(1 / 2)\right),\left(-2,13^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),(1,4),\left(2,17^{\wedge}(1 / 2)\right),\left(3,3^{*} 2^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,22),(-2,7),(0,-5),(1,-2),(2,7),(3,22)\}
\end{array}\right]
$$

$$
\text { Ans3 }=\left[\begin{array}{c}
.1=5 \\
.2=\text { undefined } \\
.3=5 \\
.4=13 \\
.5=13 \\
.6=0
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad \text { Ans } 5=
$$

$$
\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=1\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-7<=y<74\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00009XX Function01 Answers for No. 11101

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-8<=y<41\}\right)
$$



$$
\begin{aligned}
& A n s l=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\{(-4,52),(-3,31),(-2,16),(0,4),(2,16),(3,31)\} \\
.2=\left\{\left(-4,7^{\wedge}(1 / 2)\right),\left(-3,2^{*} 2^{\wedge}(1 / 2)\right),(-2,3),\left(0,11^{\wedge}(1 / 2)\right),\left(2,13^{\wedge}(1 / 2)\right),\left(3,14^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{l}
.1=-5 \\
.2=1 \\
.3=-1 \\
.4=-5 \\
.5=-5 \\
.6=0
\end{array}\right], \quad, \quad A n s 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00010XX Function01 Answers for No. 11613

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-72<y<=9\}\right)
$$

x [Page = 0010] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\{(-5,127),(-4,82),(-1,7),(0,2),(4,82),(5,127)\} \\
.2=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),(-4,3),\left(-1,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(4,17^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }\left[\begin{array}{c}
.1=-2 \\
.2=5 \\
.3=1 \\
.4=\text { undefined } \\
.5=-7 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \text {, Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, A n s 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=3\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00011XX Function01 Answers for No. 11720

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-36<y<=13\}\right)
$$

x [Page = 0011] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-5,6^{\wedge}(1 / 2)\right),\left(-4,7^{\wedge}(1 / 2)\right),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right),(5,4)\right\} \\
.2=\{(-5,128),(-4,83),(-1,8),(0,3),(4,83),(5,128)\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{l}
.1=13 \\
.2=1 \\
.3=1 \\
.4=1 \\
.5=4 \\
.6=h
\end{array}\right], \\
& . l=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& \text {, Ans } 4=\left[\begin{array}{l}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \\
& \text {, } A n s 5= \\
& \begin{array}{c}
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-2\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-3\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX $5 / 2-6600401-00012 X X$ Function01 Answers for No. 12122

$$
\begin{gathered}
A n s 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { NOT a Function" }
\end{array}\right] \\
A n s 2=\left[\begin{array}{c}
.1=\{(-5,95),(-4,59),(-2,11),(0,-5),(4,59),(5,95)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-4,11^{\wedge}(1 / 2)\right),\left(-2,13^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{gathered}
$$

$$
\text { Ans3 }=\left[\begin{array}{l}
.1=13 \\
.2=13 \\
.3=5 \\
.4=2 \\
.5=5 \\
.6=h
\end{array}\right]
$$

$$
\begin{gathered}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=2\}
\end{array}\right]
\end{gathered}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-11<=y<70\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX5/2-6600401-00013XX Function01 Answers for No. 12133

$$
\begin{array}{r}
A n s 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
A n s 2=\left[\begin{array}{c}
1=\{(-5,55),(-2,13),(0,5),(2,13),(4,37),(5,55)\} \\
.2=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),\left(4,17^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{array}
$$

$$
\left.\begin{array}{c}
\text { Ans } 3=\left[\begin{array}{c}
.1=-9 \\
.2=5 \\
.3=4 \\
.4=-1 \\
.5=-1 \\
.6=0
\end{array}\right], \quad, \quad \text { Ans4 }=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{c} 
\\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
D_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=3\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
D_{f}=\{x \mid x>=2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
D_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-13<=y<12\}\right)
$$

x [Page = 0013] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX $5 / 2-6600401-00014 X X$ Function01 Answers for No. 12317

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-11<=y<5\}\right)
$$

x [Page = 0014] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\{(-3,33),(-1,1),(0,-3),(1,1),(3,33),(5,97)\} \\
\left..2=\left\{(-3,3),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(1,13^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right),\left(5,17^{\wedge}(1 / 2)\right)\right\}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00015XX Function01 Answers for No. 12380

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),(-4,3),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),\left(4,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,121),(-4,76),(-2,16),(0,-4),(2,16),(4,76)\}
\end{array}\right]
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-52<y<=12\}\right)
$$

x [Page = 0015] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00016XX Function01 Answers for No. 12554

$$
\begin{aligned}
A n s l=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { NOT a Function" } \\
.3=\text { NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[\begin{array}{c}
.1=\{(-4,69),(-2,21),(0,5),(1,9),(2,21),(4,69)\} \\
.2=\left\{\left(-4,11^{\wedge}(1 / 2)\right),\left(-2,13^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),(1,4),\left(2,17^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{aligned}
$$

$$
\text { Ans } 3=\left[\begin{array}{c}
. l=-2 \\
.2=\text { undefined } \\
.3=-6 \\
.4=-7 \\
.5=8 \\
.6=13+2 h
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{l}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=2\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
D_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-14<y<=11\}\right)
$$

x [Page = 0016] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00017XX Function01 Answers for No. 12836

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\left\{\left(-2,11^{\wedge}(1 / 2)\right),\left(-1,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),(3,4)\right\} \\
.2=\{(-2,19),(-1,7),(0,3),(1,7),(2,19),(3,39)\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
.1=-1 \\
.2=2 \\
.3=-3 \\
.4=\text { undefined } \\
.5=-9 \\
.6=\text { undefined }
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \\
& . l=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
& .2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
& .3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-2\}
\end{array}\right] \\
& .4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-13<=y<68\}\right)
$$

x [Page = 0017] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00018XX Function01 Answers for No. 12959

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{c}
1=\left\{\left(-3,11^{\wedge}(1 / 2)\right),\left(-2,2 * 3^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),(2,4),\left(3,17^{\wedge}(1 / 2)\right),\left(4,3^{*} 2^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,32),(-2,17),(0,5),(2,17),(3,32),(4,53)\}
\end{array}\right]
$$

$$
\text { Ans } 3=\left[\begin{array}{c}
.1=-3 \\
.2=\text { undefined } \\
.3=-7 \\
.4=-7 \\
.5=-9 \\
.6=-2 h
\end{array}\right] \text {, }
$$

$$
\left.\left[\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0
\end{array}\right.
\end{array}\right] .\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y==0\}
\end{array}\right]\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-3\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \quad .\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-1\}
\end{array}\right]\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-42<y<=7\}\right)
$$

x [Page = 0018] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00019XX Function01 Answers for No. 12967

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-11<=y<70\}\right)
$$

x [Page = 0019] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\left\{(-4,3),\left(-3,10^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),(3,4),\left(4,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-4,74),(-3,39),(-2,14),(0,-6),(3,39),(4,74)\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=-12 \\
.2=1 \\
.3=-2 \\
.4=\text { undefined } \\
.5=-6 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \text {, Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5= \\
& \left.\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
{\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-1\}
\end{array}\right]} \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=1\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00020XX Function01 Answers for No. 12975

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-10<=y<71\}\right)
$$

x [Page = 0020] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-4,61),(-3,33),(-1,1),(0,-3),(3,33),(4,61)\} \\
.2=\left\{\left(-4,2^{*} 2^{\wedge}(1 / 2)\right),(-3,3),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right),(4,4)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=17 \\
.2=\text { undefined } \\
.3=4 \\
.4=8 \\
.5=8 \\
.6=0
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad \text { Ans } 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-2\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x==1\} \\
R_{f}=\{y \mid y==1
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00021XX Function01 Answers for No. 12979

$$
\text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right]
$$

$$
\text { Ans2 }=\left[\begin{array}{r}
.1=\{(-5,71),(-2,8),(-1,-1),(0,-4),(1,-1),(5,71)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-2,13^{\wedge}(1 / 2)\right),\left(-1,14^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),(1,4),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
$$

$$
\text { Ans3 }=\left[\begin{array}{c}
.1=-2 \\
.2=\text { undefined } \\
.3=2 \\
.4=\text { undefined } \\
.5=-1 \\
.6=\text { undefined }
\end{array}\right] \text {, }
$$

$$
, A n s 4=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, \quad A n s 5=
$$

$$
\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=1\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=2\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<=y<37\}\right)
$$

x [Page = 0021] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00022XX Function01 Answers for No. 13010

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-13<=y<68\}\right)
$$

x [Page = 0022] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-5,121),(-3,41),(0,-4),(1,1),(3,41),(5,121)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-3,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),(1,4),\left(3,3^{*} 2^{\wedge}(1 / 2)\right),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00023XX Function01 Answers for No. 13020

$$
\begin{gathered}
A n s l=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[.1=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-4,11^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(2,17^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}\right. \\
.2=\{(-5,53),(-4,35),(0,3),(2,11),(4,35),(5,53)\}
\end{gathered}
$$

$$
\operatorname{Ans} 3=\left[\begin{array}{l}
.1=-1 \\
.2=1 \\
.3=-5 \\
.4=-5 \\
.5=-7 \\
.6=-h
\end{array}\right],
$$

$$
\left.\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x==3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=1\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-71<y<=10\}\right)
$$

x [Page = 0023] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00024XX Function01 Answers for No. 13028

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{r}
.1=\{(-5,55),(-4,37),(-2,13),(0,5),(2,13),(5,55)\} \\
.2=\left\{(-5,3),\left(-4,10^{\wedge}(1 / 2)\right),\left(-2,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),(2,4),\left(5,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=-8 \\
.2=\text { undefined } \\
.3=-5 \\
.4=\text { undefined } \\
.5=-13 \\
.6=\text { undefined }
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad \text { Ans } 5= \\
& . l=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
& .2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& .3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
& .4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right]
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<y<=13\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00025XX Function01 Answers for No. 13068

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-3,11^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),(2,4),\left(3,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,21),(-1,5),(0,3),(1,5),(2,11),(3,21)\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=-10 \\
.2=-3 \\
.3=-3 \\
.4=-3 \\
.5=-5 \\
.6=-2 h
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, A n s 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=-2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]} \\
& \text { Ans6 }=\left(R_{f}=\{y \mid-74<y<=7\}\right)
\end{aligned}
$$

x [Page = 0025] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00026XX Function01 Answers for No. 13086

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-4,7^{\wedge}(1 / 2)\right),(-2,3),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2^{*} 3^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-4,101),(-2,29),(-1,11),(0,5),(1,11),(4,101)\}
\end{array}\right]
$$

$$
\text { Ans } 3=\left[\begin{array}{c}
.1=1 \\
.2=\text { undefined } \\
.3=3 \\
.4=11 \\
.5=-4 \\
.6=-12-h
\end{array}\right], \quad, \text { Ans4 }=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-2\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-3\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
D_{f}=\{x \mid x==-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<=y<13\}\right)
$$

X [Page $=0026]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00027XX Function01 Answers for No. 13111

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-7<=y<18\}\right)
$$



$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\left\{(-5,3),\left(-4,10^{\wedge}(1 / 2)\right),\left(-2,2 *^{*} 3^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(4,3^{*} 2^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,131),(-4,86),(-2,26),(0,6),(4,86),(5,131)\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
. l=2 \\
.2=2 \\
.3=3 \\
.4=-9 \\
.5=-13 \\
.6=-2 h
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\begin{array}{l} 
\\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
D_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
D_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
D_{f}=\{x \mid x=/=-1\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00028XX Function01 Answers for No. 13116

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-57<y<=7\}\right)
$$

x [Page = 0028] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left\{(-5,3),\left(-2,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),(2,4),\left(4,3^{*} 2^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,70),(-2,7),(0,-5),(2,7),(4,43),(5,70)\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00029XX Function01 Answers for No. 13122

$$
\text { Ans } 1=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right]
$$

$$
\text { Ans2 }=\left[\begin{array}{c}
.1=\{(-4,61),(-3,33),(-1,1),(0,-3),(1,1),(3,33)\} \\
.2=\left\{\left(-4,10^{\wedge}(1 / 2)\right),\left(-3,11^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),\left(3,17^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
$$

$$
I=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-13<=y<36\}\right)
$$

x [Page = 0029] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00030XX Function01 Answers for No. 13123

$$
\begin{array}{r}
A n s l=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { NOT a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[\begin{array}{c}
.1=\{(-5,73),(-4,46),(-1,1),(0,-2),(1,1),(5,73)\} \\
.2=\left\{\left(-5,2 * 2^{\wedge}(1 / 2)\right),(-4,3),\left(-1,2 * 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{array}
$$

$$
\text { Ans3 }=\left[\begin{array}{l}
.1=-4 \\
.2=-3 \\
.3=-3 \\
.4=-4 \\
.5=-8 \\
.6=-2 h
\end{array}\right], \quad, \quad A n s 4=\left[\begin{array}{l}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5=
$$

$$
I=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=-1\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
$$

$$
\begin{aligned}
& .2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& .3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{aligned}
$$

$$
4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-3\}
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-13<=y<23\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00031XX Function01 Answers for No. 13126

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{r}
.1=\left\{\left(-5,7^{\wedge}(1 / 2)\right),\left(-2,10^{\wedge}(1 / 2)\right),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2 * 3^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right),\left(5,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,103),(-2,19),(-1,7),(0,3),(2,19),(5,103)\}
\end{array}\right. \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=-15 \\
.2=\text { undefined } \\
.3=1 \\
.4=-2 \\
.5=-2 \\
.6=0
\end{array}\right], \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=1\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<=y<37\}\right)
$$

x [Page = 0031] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00032XX Function01 Answers for No. 13421

$$
\text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-3,2^{*} 2^{\wedge}(1 / 2)\right),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2 * 3^{\wedge}(1 / 2)\right),\left(3,14^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,23),(-1,-1),(0,-4),(1,-1),(3,23),(4,44)\}
\end{array}\right]
$$

$$
\text { Ans3 }=\left[\begin{array}{c}
.1=-9 \\
.2=\text { undefined } \\
.3=-4 \\
.4=\text { undefined } \\
.5=-7 \\
.6=\text { undefined }
\end{array}\right] \text {, }
$$

$$
\text { , Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5=
$$

$$
\begin{gathered}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=2\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{gathered}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-52<y<=12\}\right)
$$

X [Page $=0032]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00033XX Function01 Answers for No. 13646

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-74<y<=7\}\right)
$$

x [Page = 0033] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\left\{(-5,3),\left(-3,11^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(3,17^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,131),(-3,51),(-1,11),(0,6),(3,51),(5,131)\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00034XX Function01 Answers for No. 13862

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left\{\left(-5,7^{\wedge}(1 / 2)\right),\left(-2,10^{\wedge}(1 / 2)\right),\left(0,2 * 3^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right),\left(5,17^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,103),(-2,19),(0,3),(2,19),(3,39),(5,103)\}
\end{array}\right. \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=8 \\
.2=8 \\
.3=4 \\
.4=-4 \\
.5=8 \\
.6=11+h
\end{array}\right], \\
& . l=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=-3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& \text {, Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, A n s 5= \\
& .2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right\} \\
& .3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
& .4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right]
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-11<=y<70\}\right)
$$

X [Page $=0034]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00035XX Function01 Answers for No. 13943

$$
\begin{array}{r}
A n s 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[1=\left\{\left(-5,7^{\wedge}(1 / 2)\right),\left(-4,2^{*} 2^{\wedge}(1 / 2)\right),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(1,13^{\wedge}(1 / 2)\right),\left(5,17^{\wedge}(1 / 2)\right)\right\}\right] \\
.2=\{(-5,128),(-4,83),(-1,8),(0,3),(1,8),(5,128)\}
\end{array}
$$

$$
\text { Ans } 3=\left[\begin{array}{c}
.1=0 \\
.2=3 \\
.3=1 \\
.4=-7 \\
.5=-7 \\
.6=0
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{l}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{c} 
\\
R_{f}=\{y \mid y==0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=3\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]
$$

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-26<y<=10\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00036XX Function01 Answers for No. 13968

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-12<=y<13\}\right)
$$

x [Page = 0036] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left\{(-4,3),\left(-3,10^{\wedge}(1 / 2)\right),\left(-1,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),(3,4)\right\} \\
.2=\{(-4,44),(-3,23),(-1,-1),(0,-4),(1,-1),(3,23)\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
.1=5 \\
.2=5 \\
.3=1 \\
.4=\text { undefined } \\
.5=-1 \\
.6=\text { undefined }
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-1\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-1\} \\
R_{f}=\{y \mid y==0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00037XX Function01 Answers for No. 14006

$$
\text { Ans } 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right]
$$

$$
\text { Ans } 2=\left[\begin{array}{r}
.1=\{(-5,73),(-4,46),(-2,10),(0,-2),(4,46),(5,73)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-4,11^{\wedge}(1 / 2)\right),\left(-2,13^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
$$

$$
\text { Ans3 }=\left[\begin{array}{c}
.1=2 \\
.2=-1 \\
.3=3 \\
.4=13 \\
.5=13 \\
.6=0
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5=\left[\begin{array}{c}
1=\left[\begin{array}{l}
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=3\}
\end{array}\right]
\end{array}\right]
$$

Ans6 $=\left(R_{f}=\{y \mid-9<=y<40\}\right)$
x [Page = 0037] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6600401-00038XX Function01 Answers for No. 14022

$$
\text { Ans6 }=\left(R_{f}=\{y \mid-10<=y<26\}\right)
$$

x [Page = 0038] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl } 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\{(-5,145),(-3,49),(0,-5),(2,19),(3,49),(5,145)\} \\
.2=\left\{(-5,3),\left(-3,11^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),(2,4),\left(3,17^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=5 \\
.2=-1 \\
.3=-1 \\
.4=\text { undefined } \\
.5=2 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, A n s 5= \\
& \left.\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=1\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=1\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

##  [ $>$

