- X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00001XX Function01 Answers for No. 9004

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

x [Page = 0001] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\{(-2,19),(-1,1),(0,-5),(1,1),(2,19),(5,145)\} \\
.2=\left\{(-2,3),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2 * 3^{\wedge}(1 / 2)\right),\left(2,13^{\wedge}(1 / 2)\right),(5,4)\right\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00002XX Function01 Answers for No. 9033

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-7<=x<29\}\right)
$$

x [Page = 0002] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left\{(-5,3),\left(-3,11^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-5,70),(-3,22),(-1,-2),(0,-5),(1,-2),(5,70)\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00003XX Function01 Answers for No. 9237

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-6<x<=10\}\right)
$$

x [Page = 0003] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-2,13),(-1,1),(0,-3),(1,1),(2,13),(4,61)\} \\
.2=\left\{\left(-2,2^{*} 3^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),(2,4),\left(4,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
. l=-11 \\
.2=\text { undefined } \\
.3=-7 \\
.4=-13 \\
.5=-13 \\
.6=0
\end{array}\right], \quad, \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{l}
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
D_{f}=\{x \mid x>=2\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
D_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=2\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
D_{f}=\{x \mid x=/=1\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00004XX Function01 Answers for No. 9286

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-54<x<=10\}\right)
$$



$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\left\{\left(-3,2^{*} 2^{\wedge}(1 / 2)\right),(-2,3),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(2,13^{\wedge}(1 / 2)\right),\left(3,14^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,41),(-2,16),(-1,1),(0,-4),(2,16),(3,41)\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00005XX Function01 Answers for No. 9604

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

$$
\text { Ans } 2=\left[\begin{array}{c}
1=\left\{\left(-3,2^{*} 3^{\wedge}(1 / 2)\right),\left(-1,14^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),(1,4),\left(2,17^{\wedge}(1 / 2)\right),\left(3,3^{*} 2^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-3,49),(-1,9),(0,4),(1,9),(2,24),(3,49)\}
\end{array}\right]
$$

$$
\text { Ans } 3=\left[\begin{array}{c}
.1=3 \\
.2=3 \\
.3=1 \\
.4=\text { undefined } \\
.5=10 \\
.6=\text { undefined }
\end{array}\right] \text {, }
$$

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

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

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-53<x<=11\}\right)
$$

X [Page $=0005]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00006XX Function01 Answers for No. 9635

$$
\begin{gathered}
A n s 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[\begin{array}{c}
.1=\{(-4,29),(-3,15),(-1,-1),(0,-3),(3,15),(4,29)\} \\
.2=\left\{\left(-4,11^{\wedge}(1 / 2)\right),\left(-3,2^{*} 3^{\wedge}(1 / 2)\right),\left(-1,14^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(3,3^{*} 2^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{gathered}
$$

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

$$
\text { Ans3 }=\left[\begin{array}{c}
.1=0 \\
.2=1 \\
.3=1 \\
.4=\text { undefined } \\
.5=-11 \\
.6=\text { undefined }
\end{array}\right], \quad, A n s 4=\left[\begin{array}{l}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right],
$$

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

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

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

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-69<x<=12\}\right)
$$

x [Page = 0006] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00007XX Function01 Answers for No. 9770

$$
\begin{gathered}
A n s 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[\begin{array}{c}
.1=\{(-4,50),(-3,29),(0,2),(3,29),(4,50),(5,77)\} \\
.2=\left\{\left(-4,10^{\wedge}(1 / 2)\right),\left(-3,11^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(3,17^{\wedge}(1 / 2)\right),\left(4,3^{*} 2^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{gathered}
$$

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

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-28<x<=8\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00008XX Function01 Answers for No. 9799

$$
\begin{gathered}
A n s 1=\left[\begin{array}{l}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[\begin{array}{c}
.1=\{(-5,121),(-4,76),(-1,1),(0,-4),(1,1),(4,76)\} \\
.2=\left\{\left(-5,6^{\wedge}(1 / 2)\right),\left(-4,7^{\wedge}(1 / 2)\right),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2^{*} 3^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{gathered}
$$

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

x [Page = 0008] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00009XX Function01 Answers for No. 9824

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-28<x<=8\}\right)
$$

x [Page = 0009] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left\{\left(-5,6^{\wedge}(1 / 2)\right),(-2,3),\left(0,11^{\wedge}(1 / 2)\right),\left(2,13^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right),(5,4)\right\} \\
.2=\{(-5,97),(-2,13),(0,-3),(2,13),(4,61),(5,97)\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00010XX Function01 Answers for No. 9853

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

$$
\text { Ans } 2=\left[\begin{array}{c}
.1=\{(-5,105),(-3,41),(-2,21),(0,5),(2,21),(5,105)\} \\
.2=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),\left(-3,10^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
$$

$$
\text { Ans } 3=\left[\begin{array}{c}
.1=-10 \\
.2=-4 \\
.3=4 \\
.4=\text { undefined } \\
.5=2 \\
.6=\text { undefined }
\end{array}\right] \text {, }
$$

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

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

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

X [Page $=0010]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX $5 / 2-6300401-00011 X X$ Function01 Answers for No. 9936

$$
\begin{gathered}
A n s l=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
A n s 2=\left[\begin{array}{l}
.1=\{(-3,22),(-2,7),(0,-5),(1,-2),(2,7),(3,22)\} \\
.2=\left\{(-3,3),\left(-2,10^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(1,13^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{gathered}
$$

$$
A n s 3=\left[\begin{array}{c}
.1=0 \\
.2=0 \\
.3=6 \\
.4=10 \\
.5=10 \\
.6=0
\end{array}\right]
$$

$$
I=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
$$

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

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-29<x<=7\}\right)
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00012XX Function01 Answers for No. 10029

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-10<=x<54\}\right)
$$

x [Page = 0012] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\{(-5,47),(-4,29),(-1,-1),(0,-3),(1,-1),(4,29)\} \\
\left..2=\left\{(-5,3),\left(-4,10^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),\left(4,3^{*} 2^{\wedge}(1 / 2)\right)\right\}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00013XX Function01 Answers for No. 11015

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-56<x<=8\}\right)
$$

x [Page = 0013] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& A n s l=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-5,6^{\wedge}(1 / 2)\right),(-4,7 \wedge(1 / 2)),(-2,3),\left(0,11^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right),(5,4)\right\} \\
.2=\{(-5,71),(-4,44),(-2,8),(0,-4),(4,44),(5,71)\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
.1=10 \\
.2=\text { undefined } \\
.3=5 \\
.4=11 \\
.5=11 \\
.6=0
\end{array}\right], ~, ~ A n s 4=\left[\begin{array}{c}
.1=\text { NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\begin{array}{l}
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
D_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
{\left[\begin{array}{c}
D_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-2\}
\end{array}\right]} \\
.4=\left[\begin{array}{l}
D_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX $5 / 2-6300401-00014 X X$ Function01 Answers for No. 11124

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-27<x<=9\}\right)
$$

x [Page = 0014] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left\{\left(-5,6^{\wedge}(1 / 2)\right),\left(-3,2^{*} 2^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2 * 3^{\wedge}(1 / 2)\right),\left(3,14^{\wedge}(1 / 2)\right),(5,4)\right\} \\
.2=\{(-5,123),(-3,43),(0,-2),(1,3),(3,43),(5,123)\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{l}
.1=-6 \\
.2=-6 \\
.3=-4 \\
.4=0 \\
.5=-1 \\
.6=-h
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \text { Ans } 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=1\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=1\}
\end{array}\right]
\end{array}\right.}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00015XX Function01 Answers for No. 11785

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-5,131),(-1,11),(0,6),(1,11),(4,86),(5,131)\} \\
.2=\left\{(-5,3),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),\left(4,3^{*} 2^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=-4 \\
.2=-4 \\
.3=-1 \\
.4=\text { undefined } \\
.5=-5 \\
.6=\text { undefined }
\end{array}\right], \\
& I=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& \left.\begin{array}{c}
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-3\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=1\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-12<=x<69\}\right)
$$

x [Page = 0015] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00016XX Function01 Answers for No. 11787

$$
\begin{aligned}
& \text { Ansl } 1=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\{(-5,121),(-4,76),(0,-4),(2,16),(4,76),(5,121)\} \\
.2=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),(-4,3),\left(0,13^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),\left(4,17^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=7 \\
.2=4 \\
.3=4 \\
.4=\text { undefined } \\
.5=6 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \text {, Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, A n s 5= \\
& \left.\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-1\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

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

x [Page = 0016] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00017XX Function01 Answers for No. 11852

$$
\begin{array}{r}
A n s 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[.1=\left\{\left(-5,2^{*} \wedge^{\wedge}(1 / 2)\right),\left(-3,10^{\wedge}(1 / 2)\right),\left(-1,2 * 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}\right. \\
.2=\{(-5,119),(-3,39),(-1,-1),(0,-6),(1,-1),(5,119)\}
\end{array}
$$

$$
\left.A n s 3=\left[\begin{array}{c}
.1=-1 \\
.2=\text { undefined } \\
.3=-3 \\
.4=-3 \\
.5=-5 \\
.6=-2 h
\end{array}\right], \quad, A n s 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" }
\end{array}\right], \quad, A n s 5=\left[\begin{array}{l}
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \begin{array}{c}
. l=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=-2\}
\end{array}\right]
\end{array}\right]
$$

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

x [Page = 0017] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00018XX Function01 Answers for No. 11898

$$
\begin{gathered}
A n s l=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
A n s 2=\left[\begin{array}{c}
.1=\{(-5,103),(-4,67),(-3,39),(0,3),(3,39),(5,103)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-4,11^{\wedge}(1 / 2)\right),\left(-3,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(3,3^{*} 2^{\wedge}(1 / 2)\right),(5,2 * 5 \wedge(1 / 2))\right\}
\end{array}\right]
\end{gathered}
$$

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



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00019XX Function01 Answers for No. 11909

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



$$
\begin{aligned}
& A n s l=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-5,129),(-3,49),(-2,24),(0,4),(3,49),(5,129)\} \\
.2=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),\left(-3,10^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),(3,4),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00020XX Function01 Answers for No. 11944

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

$$
\text { Ans2 }=\left[\begin{array}{c}
.1=\{(-5,97),(-2,13),(0,-3),(2,13),(4,61),(5,97)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-2,13^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(2,17^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
$$

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

x [Page = 0020] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00021XX Function01 Answers for No. 11961

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{r}
.1=\{(-5,105),(-1,9),(0,5),(1,9),(4,69),(5,105)\} \\
.2=\left\{\left(-5,6^{\wedge}(1 / 2)\right),\left(-1,10^{\wedge}(1 / 2)\right),\left(0,11^{\wedge}(1 / 2)\right),\left(1,2 * 3^{\wedge}(1 / 2)\right),\left(4,15^{\wedge}(1 / 2)\right),(5,4)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{l}
.1=16 \\
.2=10 \\
.3=-2 \\
.4=1 \\
.5=1 \\
.6=0
\end{array}\right], \quad, \quad A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad A n s 5= \\
& \begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=3\}
\end{array}\right]
\end{array}
\end{aligned}
$$

Ans6 $=\left(R_{f}=\{x \mid-9<=x<72\}\right)$
x [Page = 0021] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00022XX Function01 Answers for No. 11966

$$
\operatorname{Ans} 6=\left(R_{f}=\{x \mid-11<=x<5\}\right)
$$

x [Page = 0022] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& A n s l=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-3,33),(-2,13),(0,-3),(2,13),(3,33),(5,97)\} \\
.2=\left\{\left(-3,10^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),(3,4),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00023XX Function01 Answers for No. 12024

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-25<x<=11\}\right)
$$



$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{r}
.1=\{(-5,55),(-3,23),(-1,7),(0,5),(1,7),(5,55)\} \\
.2=\left\{(-5,3),\left(-3,11^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),\left(5,19^{\wedge}(1 / 2)\right)\right\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00024XX Function01 Answers for No. 12045

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{r}
1=\{(-5,105),(-3,41),(0,5),(2,21),(3,41),(5,105)\} \\
.2=\left\{\left(-5,10^{\wedge}(1 / 2)\right),\left(-3,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(2,17^{\wedge}(1 / 2)\right),\left(3,3^{*} 2^{\wedge}(1 / 2)\right),\left(5,2^{*} 5^{\wedge}(1 / 2)\right)\right\}
\end{array}\right] \\
& I=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
& \operatorname{Ans} 3=\left[\begin{array}{c}
.1=1 \\
.2=1 \\
.3=3 \\
.4=7 \\
.5=-5 \\
.6=-8-2 h
\end{array}\right], \\
& \begin{array}{c}
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=3\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right]
\end{array}
\end{aligned}
$$

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

x [Page = 0024] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00025XX Function01 Answers for No. 12623

$$
\text { Ans6 }=\left(R_{f}=\{x \mid-73<x<=8\}\right)
$$

x [Page = 0025] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{r}
.1=\left\{\left(-2,2^{*} 3^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),(2,4),\left(4,3^{*} 2^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-2,11),(-1,-1),(0,-5),(1,-1),(2,11),(4,59)\}
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{c}
.1=19 \\
.2=\text { undefined } \\
.3=3 \\
.4=\text { undefined } \\
.5=4 \\
.6=\text { undefined }
\end{array}\right], \quad, \quad \text { Ans } 4=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad \text { Ans } 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y<=3\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-3\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00026XX Function01 Answers for No. 12915

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

x [Page = 0026] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\{(-4,46),(-3,25),(0,-2),(2,10),(3,25),(4,46)\} \\
.2=\left\{\left(-4,2^{*} 2^{\wedge}(1 / 2)\right),(-3,3),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right),\left(3,15^{\wedge}(1 / 2)\right),(4,4)\right\}
\end{array}\right] \\
& . l=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00027XX Function01 Answers for No. 13089

$$
\begin{gathered}
A n s 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[.1=\left\{(-5,7 \wedge(1 / 2)),\left(-2,10^{\wedge}(1 / 2)\right),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right),\left(5,17^{\wedge}(1 / 2)\right)\right\}\right. \\
.2=\{(-5,123),(-2,18),(-1,3),(0,-2),(2,18),(5,123)\}
\end{gathered}
$$

$$
A n s 3=\left[\begin{array}{l}
.1=7 \\
.2=7 \\
.3=5 \\
.4=11 \\
.5=17 \\
.6=2 h
\end{array}\right], \quad, \quad A n s 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, \quad A n s 5=
$$

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

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

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

x [Page = 0027] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00028XX Function01 Answers for No. 13101

$$
\begin{array}{r}
A n s 1=\left[\begin{array}{c}
.1=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { NOT a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[.1=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),\left(-3,10^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}\right] \\
.2=\{(-5,131),(-3,51),(-2,26),(0,6),(2,26),(5,131)\}
\end{array}
$$

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

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



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00029XX Function01 Answers for No. 13155

$$
\begin{gathered}
A n s l=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
\text { Ans } 2=\left[.1=\left\{\left(-5,2^{*} 2^{\wedge}(1 / 2)\right),\left(-2,11^{\wedge}(1 / 2)\right),\left(-1,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),\left(5,3^{*} 2^{\wedge}(1 / 2)\right)\right\}\right] \\
.2=\{(-5,145),(-2,19),(-1,1),(0,-5),(1,1),(5,145)\}
\end{gathered}
$$

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

x [Page = 0029] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00030XX Function01 Answers for No. 13156

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-2,3),(-1,-3),(0,-5),(1,-3),(2,3),(3,13)\} \\
.2=\left\{\left(-2,11^{\wedge}(1 / 2)\right),\left(-1,2^{*} 3^{\wedge}(1 / 2)\right),\left(0,13^{\wedge}(1 / 2)\right),\left(1,14^{\wedge}(1 / 2)\right),\left(2,15^{\wedge}(1 / 2)\right),(3,4)\right\}
\end{array}\right]
\end{aligned}
$$

$$
\begin{aligned}
& \text { Ans6 }=\left(R_{f}=\{x \mid-74<x<=7\}\right)
\end{aligned}
$$

x [Page = 0030] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX5/2-6300401-00031XX Function01 Answers for No. 13158

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

x [Page = 0031] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" } \\
.3=\text { "NOT a Function" } \\
.4=\text { "a Function" }
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{r}
.1=\left\{\left(-4,11^{\wedge}(1 / 2)\right),\left(-3,2 * 3^{\wedge}(1 / 2)\right),\left(0,15^{\wedge}(1 / 2)\right),\left(2,17^{\wedge}(1 / 2)\right),\left(3,3^{*} 2^{\wedge}(1 / 2)\right),\left(4,19^{\wedge}(1 / 2)\right)\right\} \\
.2=\{(-4,43),(-3,22),(0,-5),(2,7),(3,22),(4,43)\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=8 \\
.2=8 \\
.3=6 \\
.4=\text { undefined } \\
.5=9 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \left.\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-2\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-1\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-1\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00032XX Function01 Answers for No. 13203

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

$$
\begin{aligned}
& \text { Ans2 }=\left[\begin{array}{c}
.1=\{(-4,46),(-2,10),(-1,1),(0,-2),(2,10),(4,46)\} \\
.2=\left\{\left(-4,2^{*} 2^{\wedge}(1 / 2)\right),\left(-2,10^{\wedge}(1 / 2)\right),\left(-1,11^{\wedge}(1 / 2)\right),\left(0,2^{*} 3^{\wedge}(1 / 2)\right),\left(2,14^{\wedge}(1 / 2)\right),(4,4)\right\}
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=12 \\
.2=\text { undefined } \\
.3=3 \\
.4=\text { undefined } \\
.5=7 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \text {, Ans } 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, A n s 5= \\
& {\left[\begin{array}{c}
.1=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x<=0\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x>=-2\} \\
R_{f}=\{y \mid y>=0\}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-1\}
\end{array}\right]
\end{array}\right.}
\end{aligned}
$$

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

x [Page = 0032] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/2-6300401-00033XX Function01 Answers for No. 13469

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



$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\text { "a Function" } \\
.2=\text { "NOT a Function" } \\
.3=\text { "a Function" } \\
.4=\text { "NOT a Function" }
\end{array}\right] \\
& A n s 2=\left[\begin{array}{r}
.1=\{(-4,77),(-3,42),(-1,2),(0,-3),(1,2),(4,77)\} \\
\left..2=\left\{\left(-4,10^{\wedge}(1 / 2)\right),\left(-3,11^{\wedge}(1 / 2)\right),\left(-1,13^{\wedge}(1 / 2)\right),\left(0,14^{\wedge}(1 / 2)\right),\left(1,15^{\wedge}(1 / 2)\right),\left(4,3^{*} 2^{\wedge}(1 / 2)\right)\right\}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{c}
.1=0 \\
.2=0 \\
.3=4 \\
.4=\text { undefined } \\
.5=-9 \\
.6=\text { undefined }
\end{array}\right] \text {, } \\
& \text {, Ans } 4=\left[\begin{array}{c}
.1=\text { "NOT a Function" } \\
.2=\text { "a Function" }
\end{array}\right], \quad, A n s 5= \\
& \left.\begin{array}{c}
.1=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=0\} \\
R_{f}=\{x \mid x>=0\}
\end{array}\right] \\
2=\left[\begin{array}{c}
\mathrm{D}_{f}=\text { Set of all Real number } \\
R_{f}=\{y \mid y>=-3\}
\end{array}\right] \\
.3=\left[\begin{array}{l}
\mathrm{D}_{f}=\{x \mid x>=2\} \\
R_{f}=\{y \mid y<=0\}
\end{array}\right] \\
.4=\left[\begin{array}{c}
\mathrm{D}_{f}=\{x \mid x=/=-3\} \\
R_{f}=\{y \mid y=/=0\}
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

##  [ $>$

