- X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM/1-6600501-00001XX PiecewiseFunction Answers for No. 9395


 PiecewiseFunction Answers for No. 9419

$$
\begin{aligned}
& \text { Ans } 0 \\
& \mathrm{f}(x)=\left[\begin{array}{cc}
2 x+3 & ; \quad x<-2 \\
3-x & ; \quad x>=-2
\end{array}\right] \\
& f(-4)=-5, \quad, f(-3)=-3, \quad, f(-2)=5, \quad, f(1)=2, \quad, f(3)=0 \\
& \text { Ans04 } \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
2 x+2 & ; & x<-2 \\
1-x & ; & -2<=x<1 \\
0 & ; & x>=1
\end{array}\right] \\
& f(-4)=-6, \quad, f(-2)=3, \quad, f(1)=0, \quad, f(3)=0, \quad, f(4)=0
\end{aligned}
$$


 PiecewiseFunction Answers for No. 9428



```
Ans02 : f(x)| -15 | -13 | -11 | -9 | -7 | -5 | -3 | 4 |
Ans0
                                    f}(x)=[\begin{array}{ccc}{x+1}&{;}&{x<1}\\{-2x-3}&{;}&{x>=1}\end{array}
                                    f(-1)=0, ,f(0)=1, ,f(1)=-5,\quad,f(3)=-9, ,f(4)=-11
Ans04
                                    f}(x)=[\begin{array}{ccc}{x+2;}&{;}&{x<=-1}\\{-4}&{;}&{-1<x<1}\\{-2x-2}&{;}&{x>1}\end{array}
                                    f(-2)=0, ,f(-1)=1,\quad, f(0)=-4,\quad,\textrm{f}(1)=NA,\quad,\textrm{f}(2)=-6
a | f (a) | LH-Limit | RH-Limit | Limit | Continuity |
Ans05 -2 | 0 | 2 | 2 | Discontinuous |
                                    1 | Discontinuous
    | | Continuous
    3 | Discontinuous
    1 | Discontinuous
```

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X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600501-00004XX PiecewiseFunction Answers for No. 9459


 PiecewiseFunction Answers for No 9476


```
Ans0
    f}(x)=[\begin{array}{ccc}{2x+1}&{;}&{x<=-2}\\{3-x}&{;}&{x>-2}\end{array}
    f(-4)=-7, ,f(-3)=-5,\quad,f(-2)=-3,\quad,f(1)=2,\quad,f(2)=1
Ans04
f}(x)=[\begin{array}{ccc}{5}&{;}&{x<-2}\\{-2x+1}&{;}&{-2<x<=3}\\{x-2}&{;}&{x>3}\end{array}
f(-2)=NA, , f(-1)=3, ,f(2)=-3,\quad,f(3)=-5,\quad,f(4)=2
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline & a & f (a) & LH-Limit & RH-Limit & । & Limit & | Continuity \\
\hline \multirow[t]{5}{*}{Ans05} & -9 & 3 & 3 & 3 & | & 3 & | Continuous \\
\hline & -6 & 2 & 2 & 2 & । & 2 & | Continuous \\
\hline & -5 & undefined & 1 & 1 & \| & 1 & | Discontinuous \\
\hline & 8 & 4 & 4 & 2 & I & DNE & | Discontinuous \\
\hline & 9 & 4 & 1 & 1 & | & 1 & | Discontinuous \\
\hline
\end{tabular}
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X Math@MUT Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxm6/1-6600501-00006Xx PiecewiseFunction Answers for No. 9491



X Math@MUT Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxm6/1-6600501-00007xx PiecewiseFunction Answers for No. 9633

$$
\begin{aligned}
& \text { Ans0 } \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
x+2 & ; & x<=2 \\
-2 x-2 & ; & x>2
\end{array}\right] \\
& \mathrm{f}(-2)=0, \quad, \mathrm{f}(1)=3, \quad, \mathrm{f}(2)=4, \quad, \mathrm{f}(3)=-8, \quad, \mathrm{f}(4)=-10 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
3 & ; & x<-2 \\
1-x & ; & -2<x<2 \\
2 x+3 & ; & x>=2
\end{array}\right] \\
& \mathrm{f}(-4)=3, \quad, \mathrm{f}(-3)=3, \quad, \mathrm{f}(-2)=N A, \quad, \mathrm{f}(2)=7, \quad, \mathrm{f}(4)=11
\end{aligned}
$$

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 PiecewiseFunction Answers for No. 9711


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 PiecewiseFunction Answers for No. 9784

$$
\begin{aligned}
& \text { Ans03 } \\
& \mathrm{f}(x)=\left[\begin{array}{cc}
-x-2 & ; \quad x<-1 \\
2 x-3 & ; \quad x>=-1
\end{array}\right] \\
& \mathrm{f}(-4)=2, \quad, \mathrm{f}(-2)=0, \quad, \mathrm{f}(-1)=-5, \quad, \mathrm{f}(1)=-1, \quad, \mathrm{f}(2)=1 \\
& \text { Ans } 04 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
-2 x-1 & ; & x<=-1 \\
x+2 & ; & -1<x<3 \\
5 & ; & x>3
\end{array}\right] \\
& \mathrm{f}(-4)=7, \quad, \mathrm{f}(-1)=1, \quad, \mathrm{f}(2)=4, \quad, \mathrm{f}(3)=N A, \quad, \mathrm{f}(4)=5 \\
& \text { Ans05 -11 | -2 1 | } 1 \text { | Discontinuous }
\end{aligned}
$$


 PiecewiseFunction Answers for No. 10143

$$
\begin{aligned}
& \text { Ans03 } \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
-2 x+1 & ; & x<=-1 \\
-3+x & ; & x>-1
\end{array}\right] \\
& \text { Ans } 04 \\
& \mathrm{f}(-2)=5, \quad, \mathrm{f}(-1)=3, \quad, \mathrm{f}(1)=-2, \quad, \mathrm{f}(2)=-1, \quad, \mathrm{f}(4)=1 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
-3+x & ; & x<=-2 \\
-3 & ; & -2<x<=3 \\
-2 x+3 & ; & x>3
\end{array}\right] \\
& f(-2)=-5, \quad, f(1)=-3, \quad, f(2)=-3, \quad, f(3)=-3, \quad, f(4)=-5
\end{aligned}
$$


x Math@muT xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxmb/1-6600501-00011Xx PiecewiseFunction Answers for No. 10626


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Ans0
                                    f(x)}=[\begin{array}{ccc}{x-2;}&{;}&{x<1}\\{-2x-2}&{;}&{x>=1}\end{array}
                                    f(-2)=-4, ,f(-1)=-3,\quad,f(0)=-2,\quad,f(1)=-4,
                                    f(2)=-6
Ans0 4
\(\mathrm{f}(x)=\left[\begin{array}{ccc}-1 & ; & x<-2 \\ x+1 & ; & -2<x<1 \\ -2 x+1 & ; & x>=1\end{array}\right]\)
\(\mathrm{f}(-3)=-1, \quad, \mathrm{f}(-2)=N A, \quad, \mathrm{f}(-1)=0, \quad, \mathrm{f}(1)=-1, \quad, \mathrm{f}(4)=-7\)
```



 PiecewiseFunction Answers for No. 11002

$$
\begin{aligned}
& \text { Ans03 } \\
& \mathrm{f}(x)=\left[\begin{array}{ll}
-1-x & ; \quad x<-2 \\
2 x+2 & ; \quad x>=-2
\end{array}\right] \\
& f(-4)=3, \quad, f(-3)=2, \quad, f(-2)=-2, \quad, f(0)=2, \quad, f(2)=6 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
2 x-2 & ; & x<=-2 \\
0 & ; & -2<x<2 \\
2-x & ; & x>=2
\end{array}\right] \\
& \mathrm{f}(-4)=-10, \quad, \mathrm{f}(-2)=-6, \quad, \mathrm{f}(0)=0, \quad, \mathrm{f}(1)=0, \quad, \mathrm{f}(2)=0
\end{aligned}
$$


 PiecewiseFunction Answers for No. 11188

$$
\begin{aligned}
& \text { Ans03 } \\
& \mathrm{f}(x)=\left[\begin{array}{cc}
x-2 & ; \\
-2 x<1 \\
-2 x+3 & ;
\end{array}\right] \\
& \mathrm{f}(-4)=-6, \quad, \mathrm{f}(1)=N A, \quad, \mathrm{f}(2)=-1, \quad, \mathrm{f}(3)=-3, \quad, \mathrm{f}(4)=-5 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
3-x & ; & x<-3 \\
2 x-3 & ; & -3<x<=3 \\
3 & ; & x>3
\end{array}\right] \\
& \mathrm{f}(-3)=N A, \quad, \mathrm{f}(0)=-3, \quad, \mathrm{f}(1)=-1, \quad, \mathrm{f}(3)=3, \quad, \mathrm{f}(4)=3
\end{aligned}
$$

x [Page = 0013] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 PiecewiseFunction Answers for No. 11505

$$
\begin{aligned}
& \text { Ans0 } \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
3-x & ; & x<2 \\
2 x-2 & ; & x>=2
\end{array}\right] \\
& \mathrm{f}(-3)=6, \quad, \mathrm{f}(0)=3, \quad, \mathrm{f}(2)=2, \quad, \mathrm{f}(3)=4, \quad, \mathrm{f}(4)=6 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
2 x+3 & ; & x<=-3 \\
-5 & ; & -3<x<2 \\
-3-x & ; & x>=2
\end{array}\right] \\
& f(-3)=-3, \quad, f(-2)=-5, \quad, f(2)=-5, \quad, f(3)=-6, \quad, f(4)=-7
\end{aligned}
$$


 PiecewiseFunction Answers for No. 12113

$$
\begin{aligned}
& \text { Ans } 0 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
3-x & ; & x<=1 \\
2 x+3 & ; & x>1
\end{array}\right] \\
& f(-3)=6, \quad, f(-2)=5, \quad, f(1)=2, \quad, f(3)=9, \quad, f(4)=11 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
2 x+1 & ; & x<-2 \\
-3 & ; & -2<=x<2 \\
-3-x & ; & x>=2
\end{array}\right] \\
& \mathrm{f}(-4)=-7, \quad, \mathrm{f}(-3)=-5, \quad, \mathrm{f}(-2)=-3, \quad, \mathrm{f}(0)=-3, \quad, \mathrm{f}(2)=-5
\end{aligned}
$$

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 PiecewiseFunction Answers for No. 12541

$$
\begin{aligned}
& \text { Ans0 } \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
x-1 & ; & x<=-1 \\
-2 x-3 & ; & x>-1
\end{array}\right] \\
& f(-4)=-5, \quad, f(-2)=-3, \quad, f(-1)=-2, \quad, f(0)=-3, \quad, f(4)=-11 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
-2 x+3 & ; & x<=-1 \\
x+2 & ; & -1<x<=3 \\
5 & ; & x>3
\end{array}\right] \\
& \mathrm{f}(-4)=11, \quad, \mathrm{f}(-3)=9, \quad, \mathrm{f}(-1)=5, \quad, \mathrm{f}(1)=3, \quad, \mathrm{f}(3)=5
\end{aligned}
$$

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 PiecewiseFunction Answers for No. 12590


 PiecewiseFunction Answers for No. 12621


```
Ans03
    f(x)=[ -1-x ;
    f(-2)=1, ,f(-1)=-5,\quad,f(1)=-1,\quad,f(2)=1,\quad,f(4)=5
```

Ans0 4
$\mathrm{f}(x)=\left[\begin{array}{ccc}-3 & ; & x<-1 \\ x-2 & ; & -1<x<3 \\ -2 x+3 & ; & x>3\end{array}\right]$
$\mathrm{f}(-3)=-3, \quad, \mathrm{f}(-1)=N A, \quad, \mathrm{f}(0)=-2, \quad, \mathrm{f}(2)=0, \quad, \mathrm{f}(3)=N A$

x [Page = 0018] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 PiecewiseFunction Answers for No. 12641


```
Ans0
    f(x)=[ccc}\begin{array}{ccc}{3-x}&{;}&{x<1}\\{2x-2;}&{;}&{x>=1}\end{array}
    f(-4)=7, ,f(-2)=5,\quad,f(0)=3,\quad,f(1)=0,\quad,f(4)=6
Ans04
\[
\mathrm{f}(x)=\left[\begin{array}{ccc}
6 & ; & x<-3 \\
3-x & ; & -3<x<3 \\
2 x+1 & ; & x>3
\end{array}\right]
\]
\[
\mathrm{f}(-3)=N A, \quad, \mathrm{f}(-2)=5, \quad, \mathrm{f}(1)=2, \quad, \mathrm{f}(2)=1, \quad, \mathrm{f}(3)=N A
\]
```


x [Page = 0019] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 PiecewiseFunction Answers for No. 12674

$$
\begin{aligned}
& \text { Ans } 0 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
x+1 & ; & x<=2 \\
-2 x-1 & ; & x>2
\end{array}\right] \\
& f(-3)=-2, \quad, f(0)=1, \quad, f(1)=2, \quad, f(2)=3, \quad, f(3)=-7 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
-3-x & ; & x<=-1 \\
2 x+3 & ; & -1<x<3 \\
9 & ; & x>=3
\end{array}\right] \\
& \mathrm{f}(-4)=1, \quad, \mathrm{f}(-1)=-2, \quad, \mathrm{f}(2)=7, \quad, \mathrm{f}(3)=9, \quad, \mathrm{f}(4)=9
\end{aligned}
$$

x [Page = 0020] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
 PiecewiseFunction Answers for No. 12728


 PiecewiseFunction Answers for No. 14247

$$
\begin{aligned}
& \text { Ans03 } \\
& \mathrm{f}(x)=\left[\begin{array}{cc}
-3+x & ;
\end{array} \quad x<-17 .\right. \\
& \mathrm{f}(-3)=-6, \quad, \mathrm{f}(-1)=N A, \quad, \mathrm{f}(1)=-5, \quad, \mathrm{f}(3)=-9, \quad, \mathrm{f}(4)=-11 \\
& \text { Ans0 } 4 \\
& \mathrm{f}(x)=\left[\begin{array}{ccc}
5 & ; & x<=-1 \\
-2 x+3 & ; & -1<x<3 \\
x-1 & ; & x>=3
\end{array}\right] \\
& \mathrm{f}(-4)=5, \quad, \mathrm{f}(-2)=5, \quad, \mathrm{f}(-1)=5, \quad, \mathrm{f}(2)=-1, \quad, \mathrm{f}(3)=2
\end{aligned}
$$



