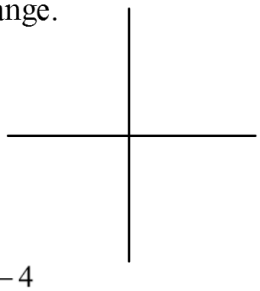
Warm Up

after 1.2 and 1.3

1. Graph. Determine the domain and range.

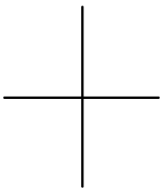
$$f(x)=\begin{cases} x^2 & x<0 \\ -x+1 & 0\le x<2 \\ 4 & x>2 \end{cases}$$



D:

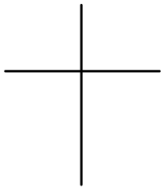
R:

2. $y=-3^x$



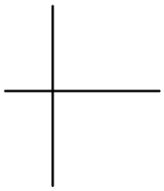
D:
R:
Asym:

3. $y=e^x-4$



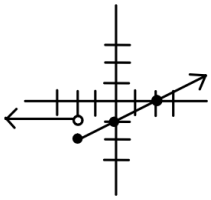
D:
R:
Asym:

4. $y=\ln(x-2)$



D:
R:
Asym:

5. Write the piecewise function of the graph.



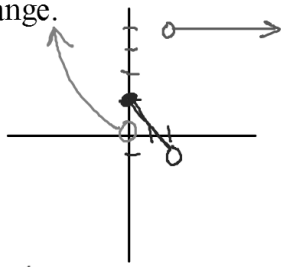
$f(x)=\begin{cases} \\ \\ \end{cases}$

Warm Up

after 1.2 and 1.3

1. Graph. Determine the domain and range.

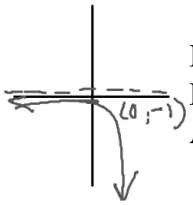
$$f(x)=\begin{cases} x^2 & x<0 \\ -x+1 & 0\le x<2 \\ 4 & x>2 \end{cases}$$



D: $(-\infty,2)(2,\infty)$

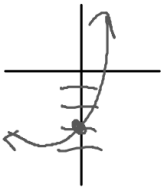
R: $(-1,\infty)$

2. $y=-3^x$



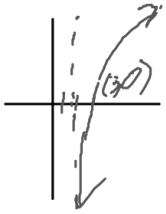
D: $(-\infty,\infty)$
R: $(-\infty,0)$
Asym: $y=0$

3. $y=e^x-4$



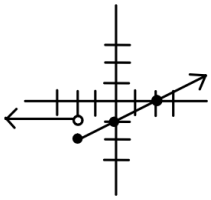
D: $(-\infty,\infty)$
R: $(-4,\infty)$
Asym: $y=-4$

4. $y=\ln(x-2)$



D: $(2,\infty)$
R: $(-\infty,\infty)$
Asym: $x=2$

5. Write the piecewise function of the graph.



$f(x)=\begin{cases} -1 & x\le 2 \\ \frac{1}{2}x-1 & x\ge 2 \end{cases}$