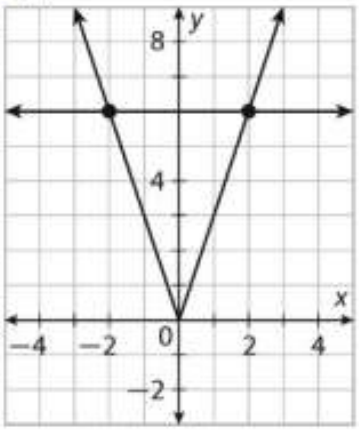
Name_____ Date _____ Period _____

Solving by Graphing

Solve each equation graphically. The first one is done for you.

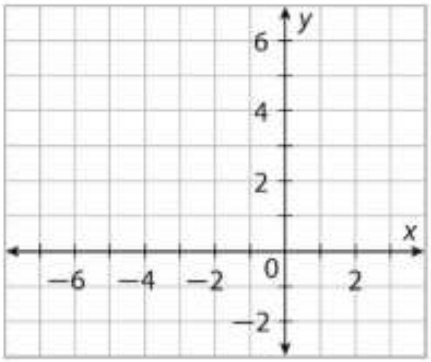
1. $3|x| = 6$



$x = -2$ or $x = 2$

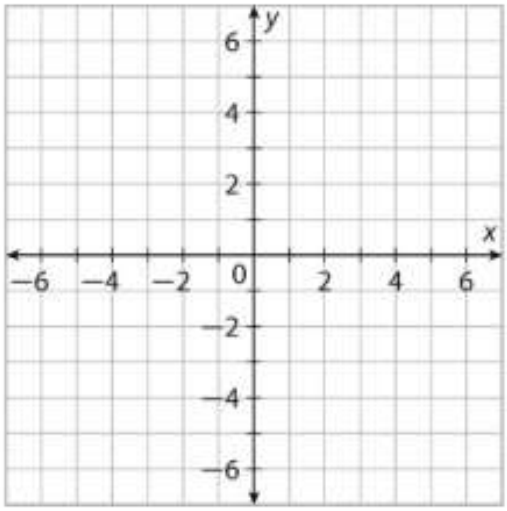
Parameters - - Vertex - - Slope

2. $|x + 2| = 4$



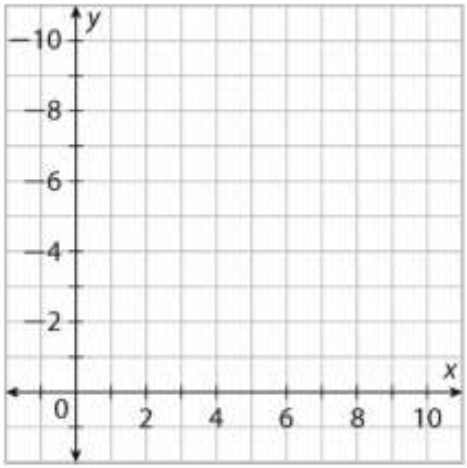
Parameters - - Vertex - - Slope

3. $|x - 1| = 2$



Parameters - - Vertex - - Slope

4. $4|x - 5| = 12$



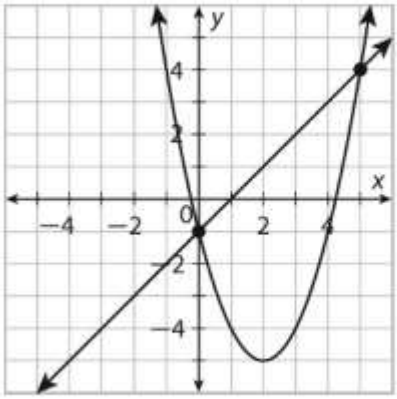
Parameters - - Vertex - - Slope

Name_____ Date _____ Period _____

Solving by Graphing

Solve each system represented by the functions graphically. The first one is done for you.

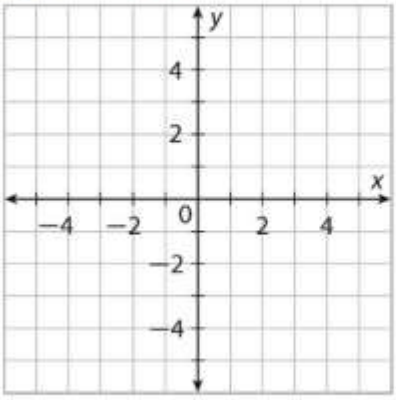
5. $\begin{cases} y+1=x \\ y+5=(x-2)^2 \end{cases}$



(0, –1), (5, 4)

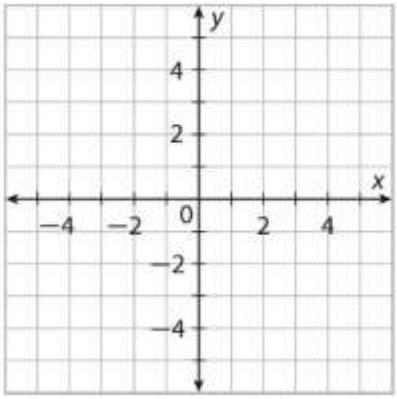
Parameters - - Vertex - - Slopes

6. $\begin{cases} y+2x+2=0 \\ y-4=-2(x+1)^2 \end{cases}$



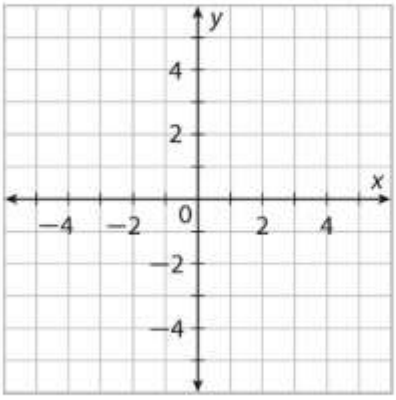
Parameters - - Vertex - - Slopes

7. $\begin{cases} 3x^2+18x+y+25=0 \\ y+3x=-2 \end{cases}$



Parameters - - Vertex - - Slopes

8. $\begin{cases} y-x-3=0 \\ y+\frac{1}{2}(x-1)^2=4 \end{cases}$



Parameters - - Vertex - - Slopes