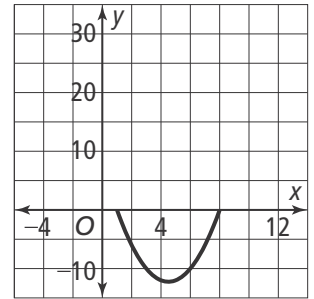




1-5 Reteach to Build Understanding

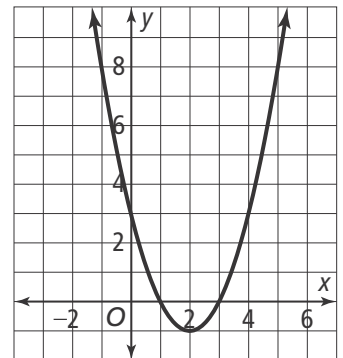
Solving Equations and Inequalities by Graphing

1. The inequality $x^2 - 9x + 8 > 0$ is shown in the graph. Find the values of x that result in the equation being greater than 0.
 - a. Highlight the lines on the graph where $y > 0$ (or above the x -axis). All of these points are solutions.
 - b. Circle the points where the graph crosses the x -axis. These points are where the expression is equal to zero. These are not solutions.
 - c. Draw an arrow pointing left or right from each point showing where the graph crosses the x -axis. The arrows show one of the directions that the graph is going from that point.
 - d. Solve by filling in the table:



	Choose $<$ or $>$ based off of arrow direction. Left: less than ($<$) Right: greater than ($>$)	Point that graph intersects the x axis
x		
x		

2. Kennedy graphed the equation $x^2 - 4x + 3 < 0$. Based on the graph she concluded that $x < 1$ or $x > 3$. What mistake did she make? What is the correct solution?



3. Solve $|x + 2| - 3 = x^2 - 6x + 5$ by graphing.
 - a. Circle the points of intersection.
 - b. Write the x values for the answer:

