

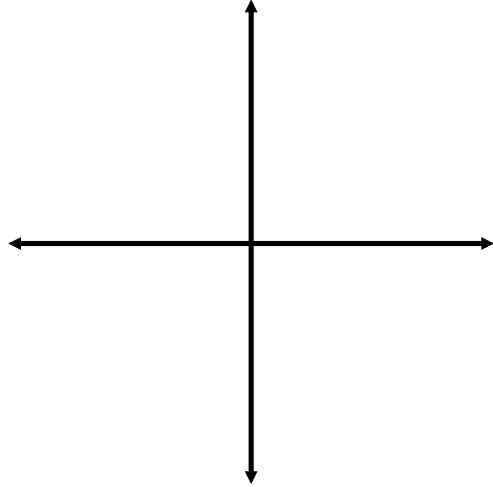
Name: \_\_\_\_\_

Graphing Quadratics Using the Quadratic Formula

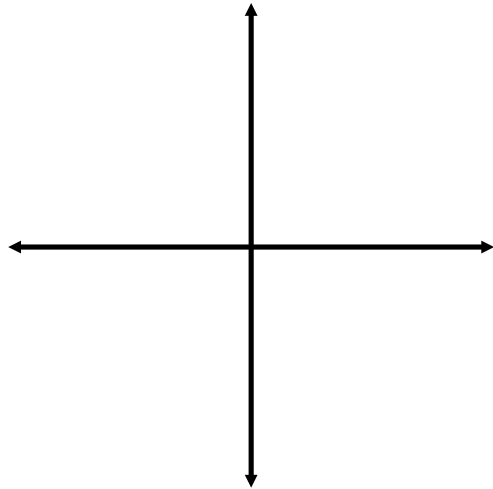
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Determine the details of each quadratic, using the QUADRATIC FORMULA. Then use them to graph the parabola. Remember to label the x-axis and y-axis, as well as your units of measure.

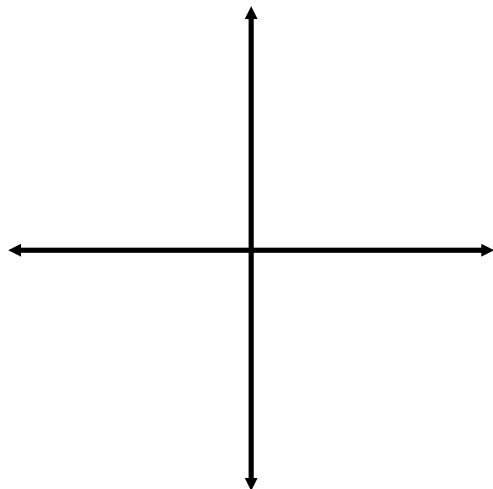
1.  $f(x) = x^2 - 2x - 15$



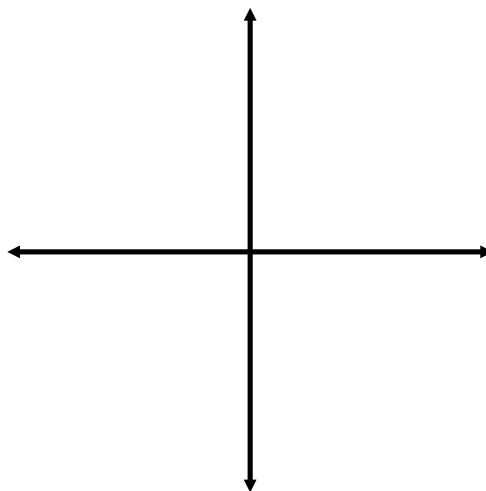
2.  $f(x) = x^2 - 4x - 71$



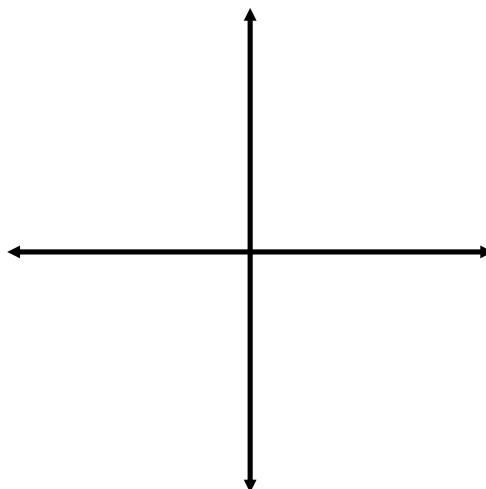
3.  $f(x) = x^2 + 6x + 9$



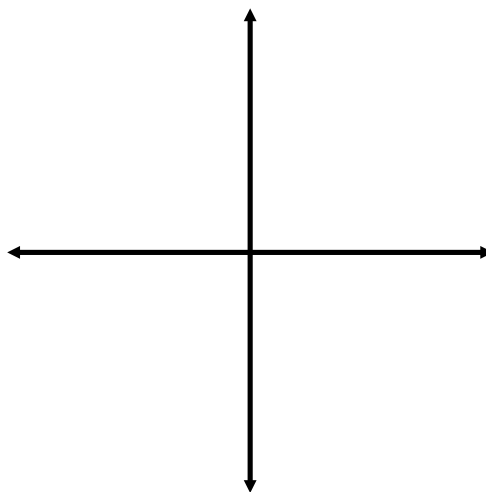
4.  $f(x) = 9x^2 - 12x + 4$



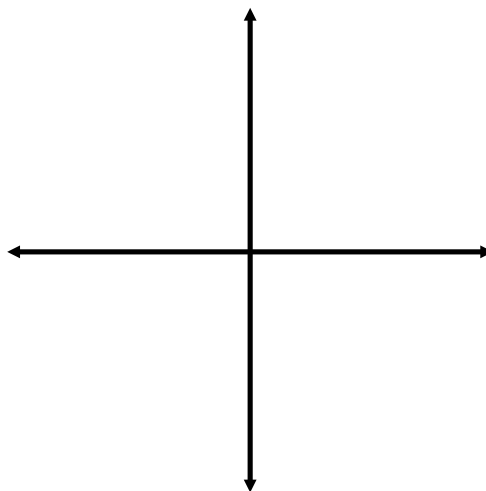
5.  $f(x) = -2x^2 + 12x - 26$



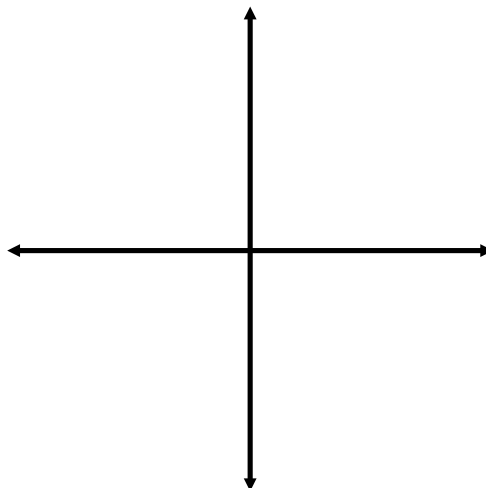
6.  $f(x) = -x^2 + 8x + 20$



7.  $f(x) = 5x^2 - 20x + 20$

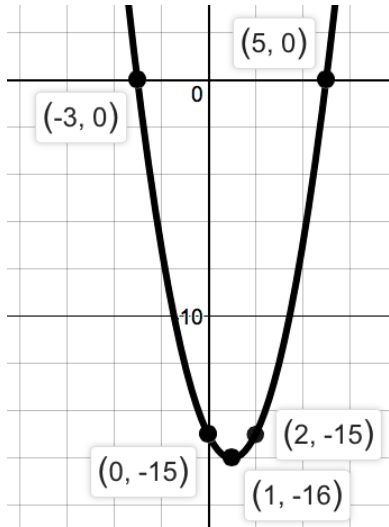


8.  $f(x) = 4x^2 + 8x + 13$

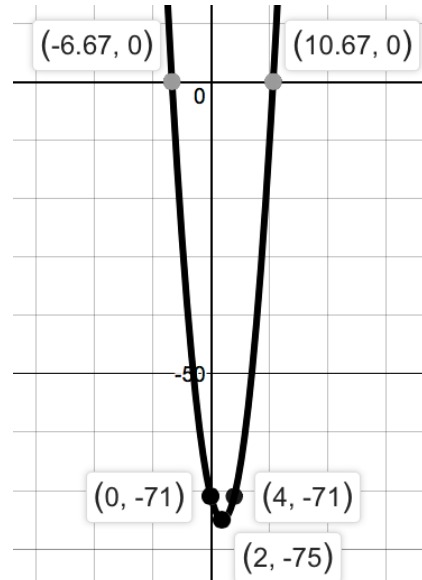


Answers

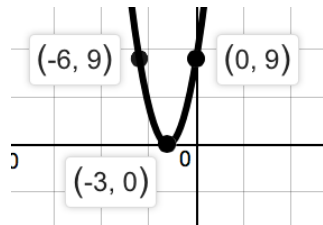
1.



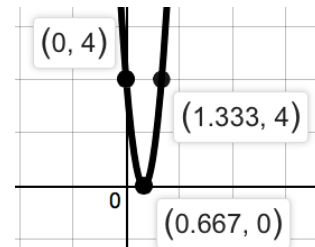
2.



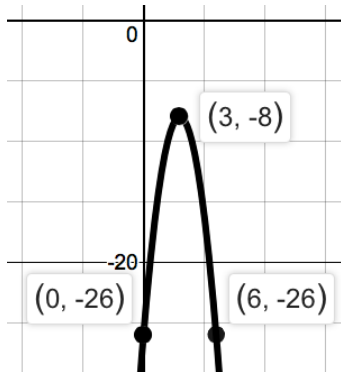
3.



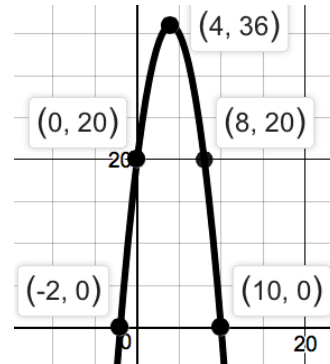
4.



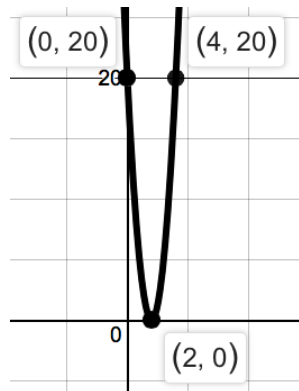
5.



6.



7.



8.

