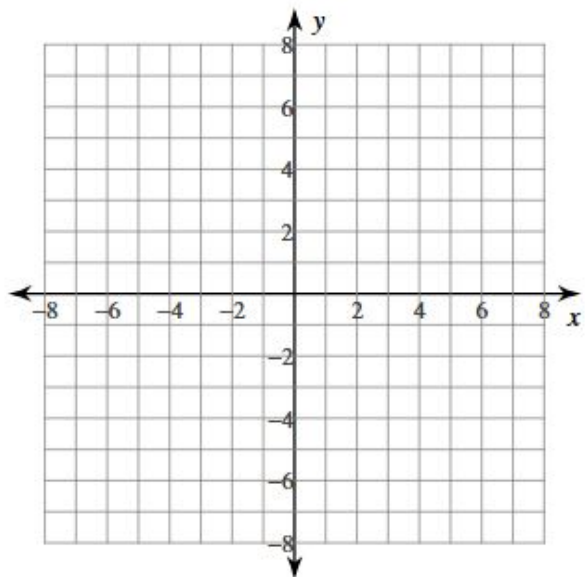


PRACTICE #1: Graphing Parabolas from Equations

Without using a calculator, graph the following parabolas. For each parabola, draw and label the line of symmetry, label the coordinates of the vertex, and identify a , h , and k .

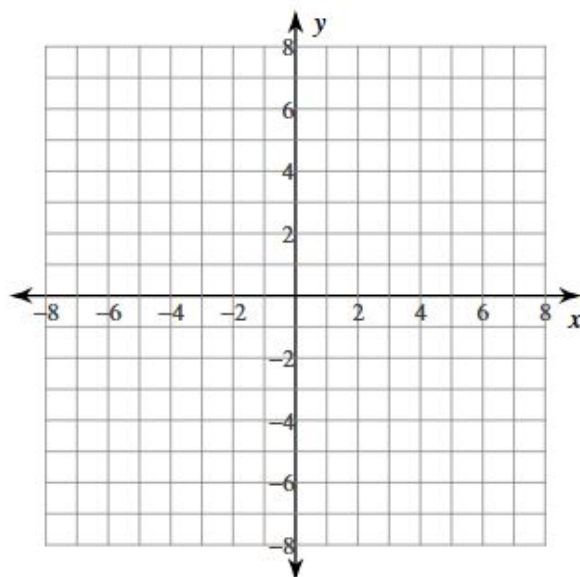
1. $y = 3x^2$

$a =$ $h =$ $k =$



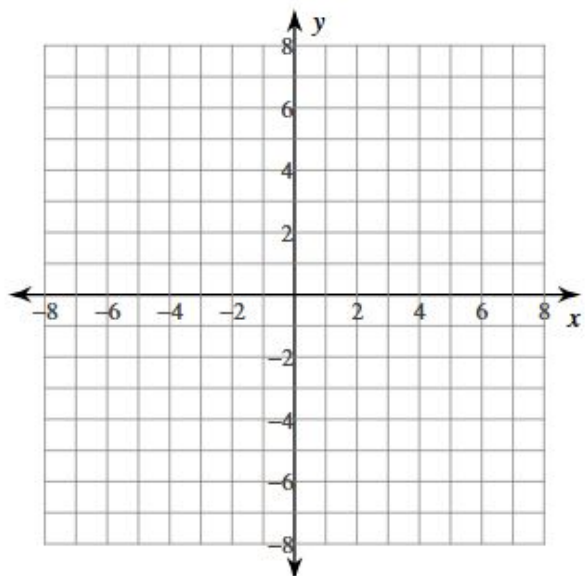
2. $y = (x - 6)^2 - 7$

$a =$ $h =$ $k =$



3. $y = -(x + 2)^2 + 6$

$a =$ $h =$ $k =$



3. $y = 2(x + 5)^2 - 3$

$a =$ $h =$ $k =$

