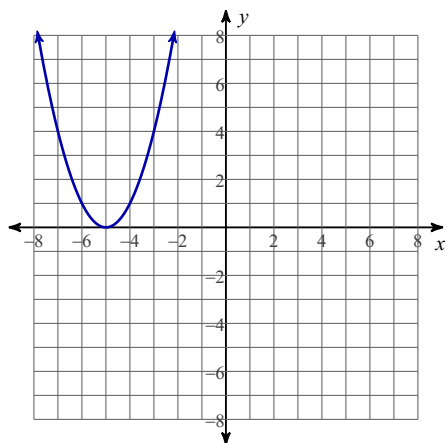


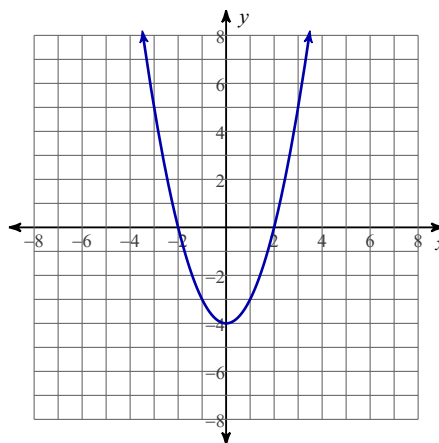
More Vertex Form of a Parabola

Write the vertex form equation of the parabola that has been graphed.

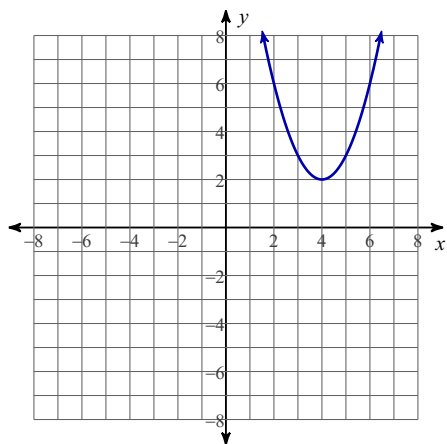
1)



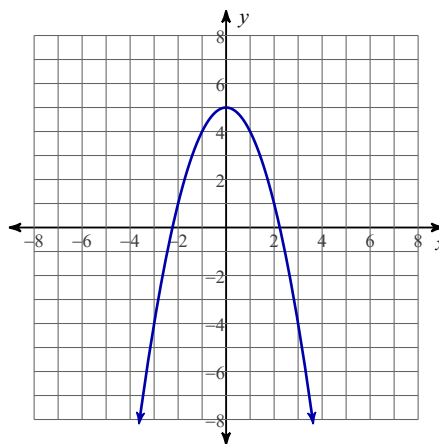
2)



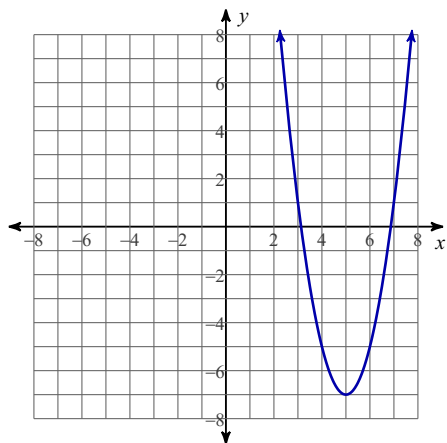
3)



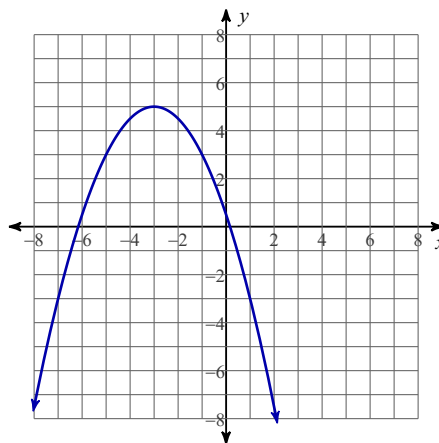
4)



5)

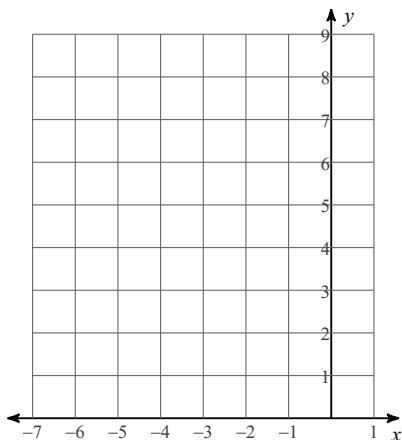


6)

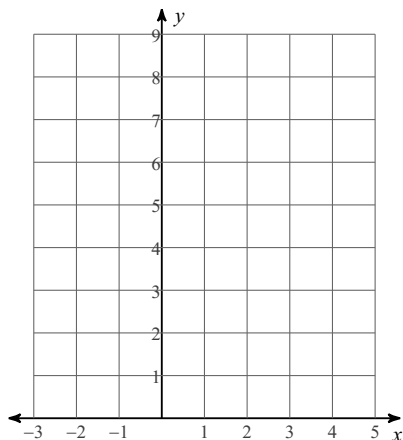


Sketch the graph of each function.

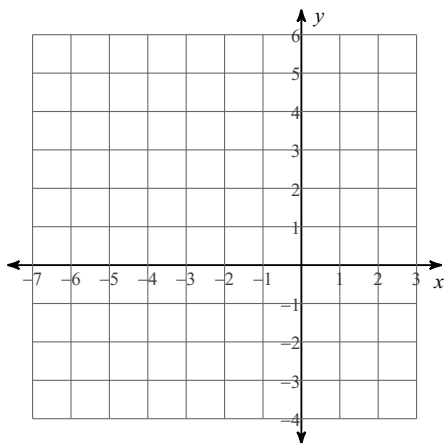
7) $y = (x + 3)^2 + 4$



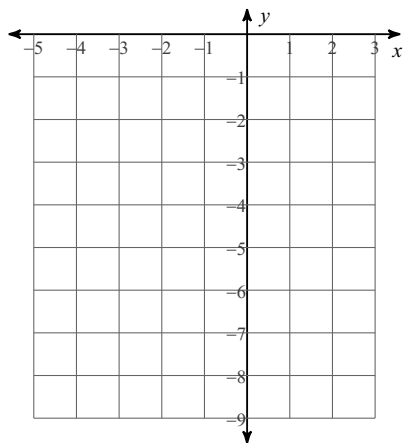
8) $y = (x - 1)^2 + 4$



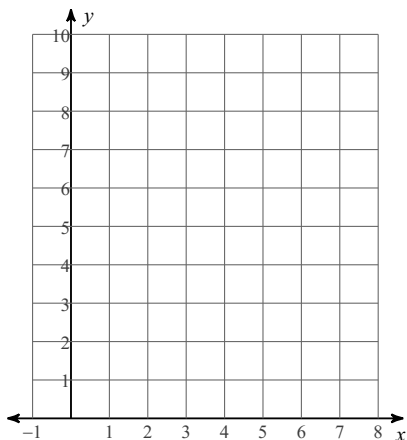
9) $y = 2(x + 3)^2 - 3$



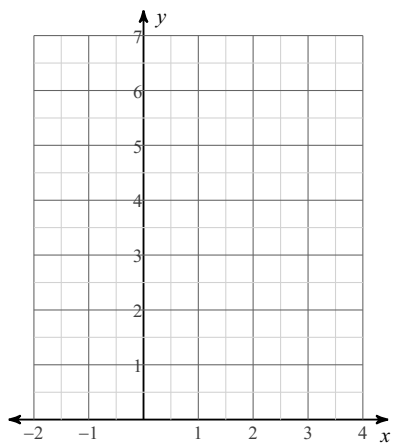
10) $y = -(x + 1)^2 - 4$



11) $y = 2(x - 4)^2 + 1$

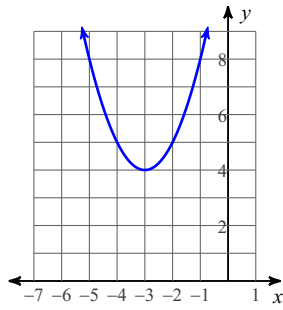


12) $y = \frac{1}{2}(x - 2)^2 + 4$

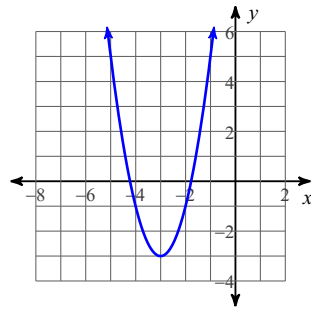


Answers to More Vertex Form of a Parabola

1) $y = (x + 5)^2$
7)



3) $y = (x - 4)^2 + 2$
9)



5) $y = 2(x - 5)^2 - 7$
11)

