

19.3 Practice #2

Find the axis of symmetry. Find the Vertex.

1) $y = -3x^2 + 18x - 23$

3) $y = 3x^2 - 24x + 52$

Rewrite to standard form

5) $y = (x + 3)^2 + 1$

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

Name:

2) $y = x^2 + 8x + 12$

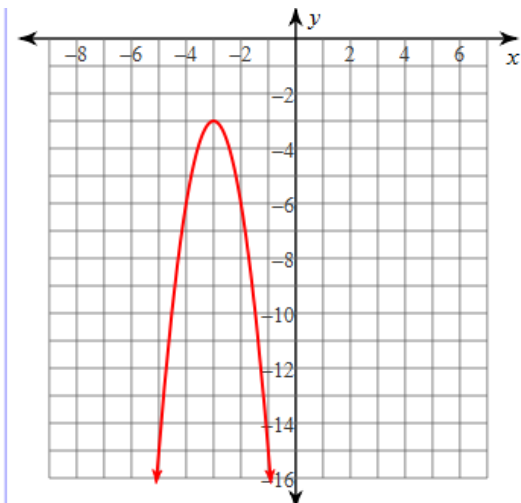
4) $y = -2x^2 - 12x - 19$

6) $y = -(x - 1)^2 - 4$

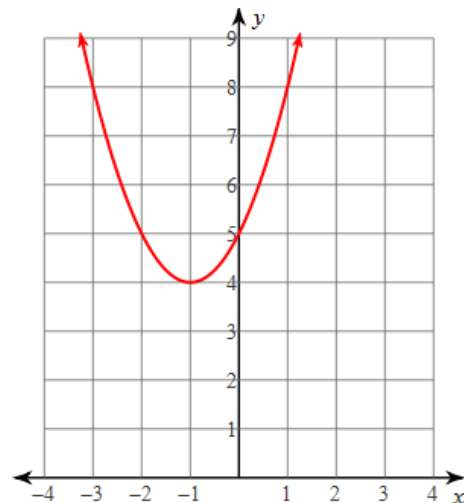
8) $y = 2(x - 1)^2 - 4$

Write the graphs' function in vertex from:

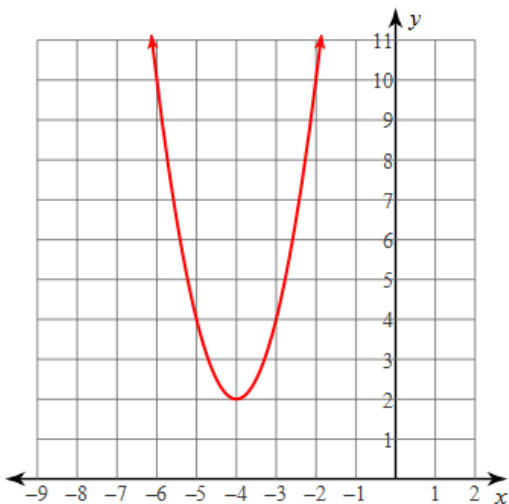
9)



10)



11)



12)

