

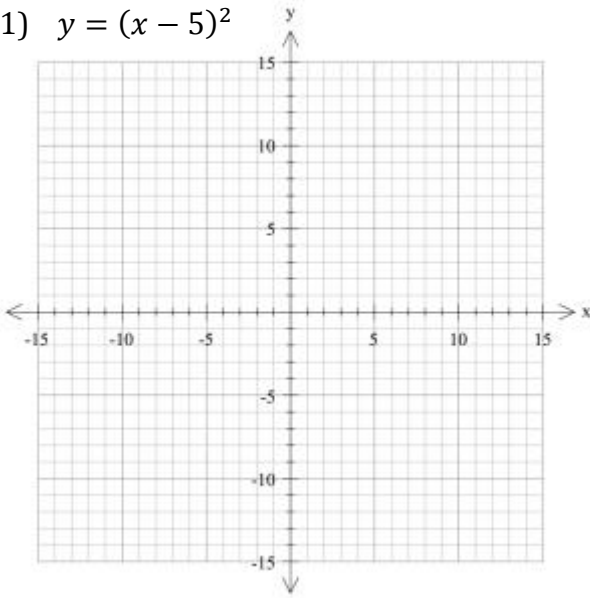
Name: \_\_\_\_\_

Period: \_\_\_\_\_ Date: \_\_\_\_\_

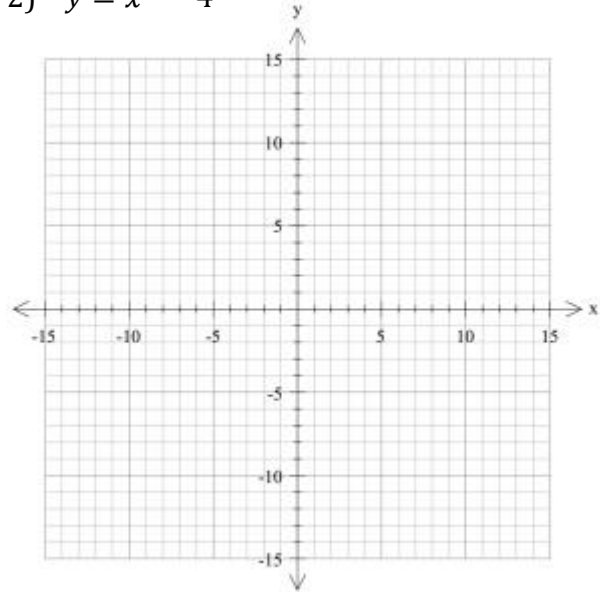
## Graphing Quadratics in Vertex Form

**Graph each equation. Label the vertex, y-intercepts, and its reflection coordinate.**

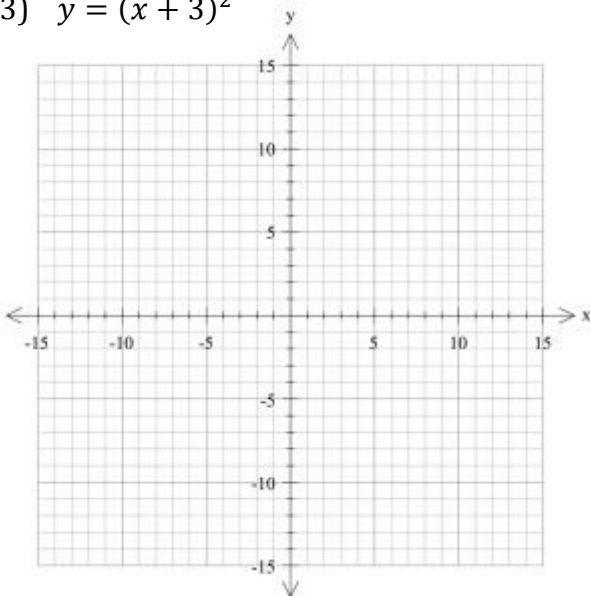
1)  $y = (x - 5)^2$



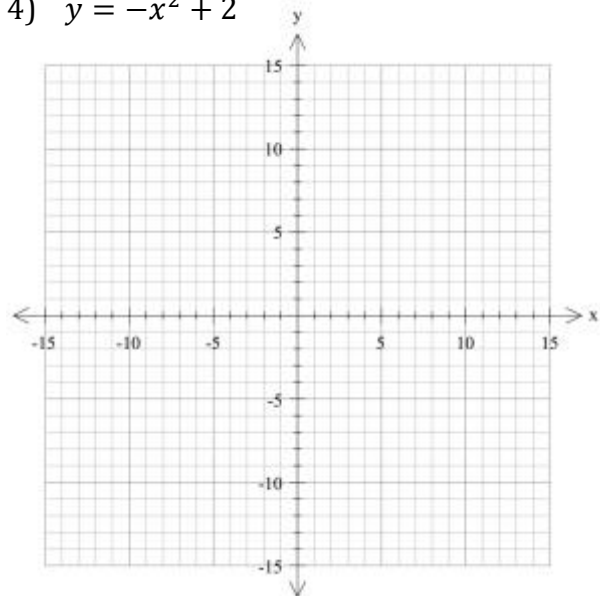
2)  $y = x^2 - 4$



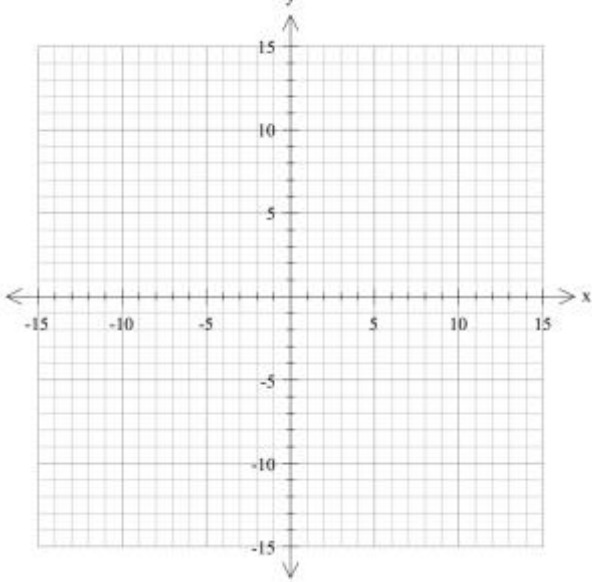
3)  $y = (x + 3)^2$



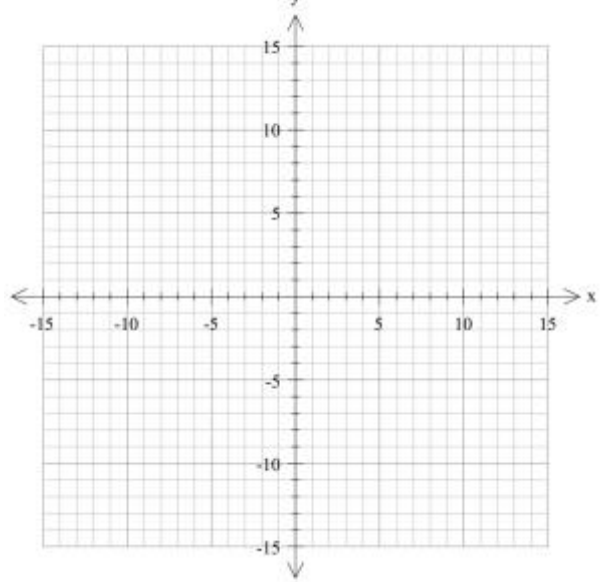
4)  $y = -x^2 + 2$



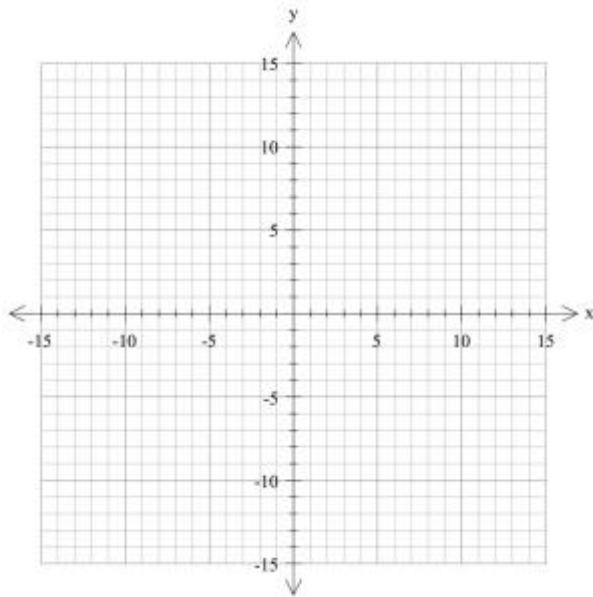
5)  $y = (x - 4)^2 + 2$



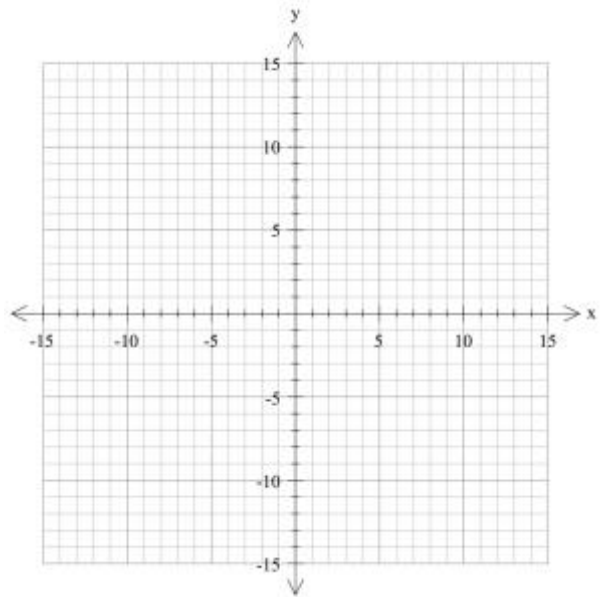
6)  $y = (x + 3)^2 - 7$



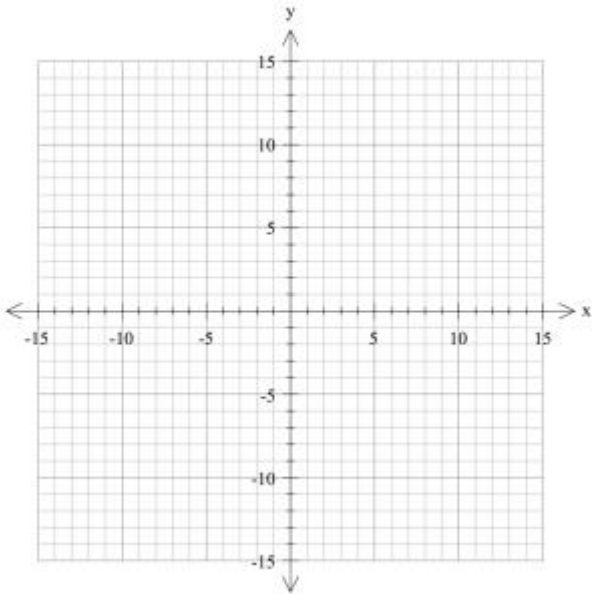
7)  $y = -(x + 2)^2 + 7$



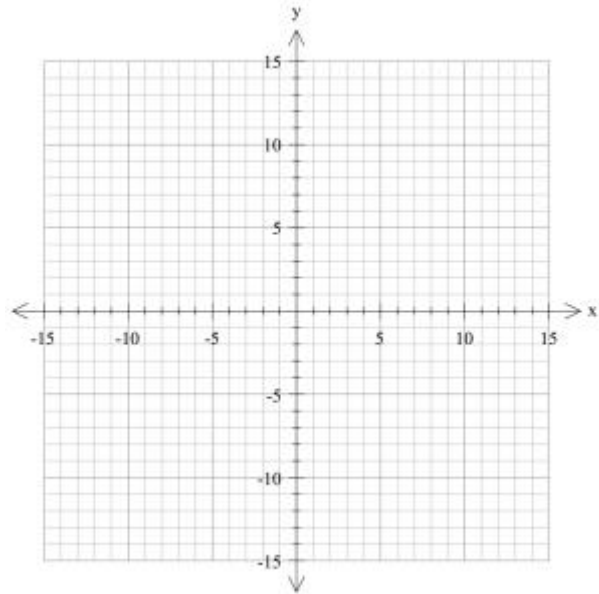
8)  $y = 2(x - 1)^2 - 5$



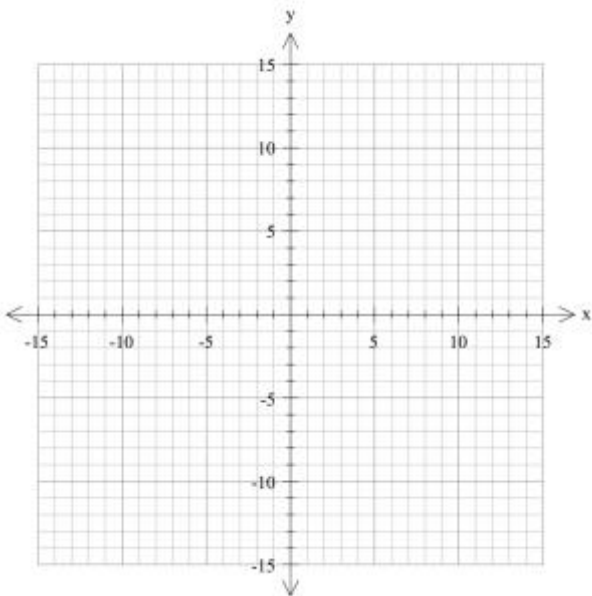
9)  $y = \frac{1}{4}(x + 6)^2 + 2$



10)  $y = -3(x + 2)^2 + 8$



11)  $y = -\frac{1}{2}(x - 4)^2 + 3$



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

