

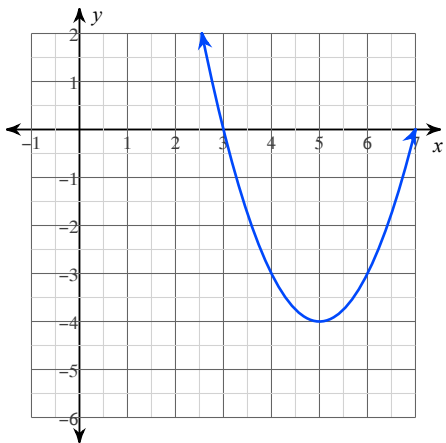
Writing Quadratic Equations

Date _____ Period _____

Use the information provided to write the VERTEX FORM equation of each parabola.

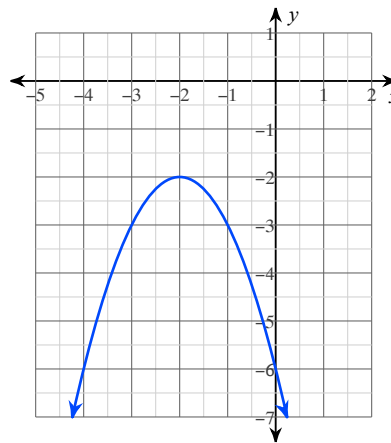
$$y = a(x - h)^2 + k$$

1)



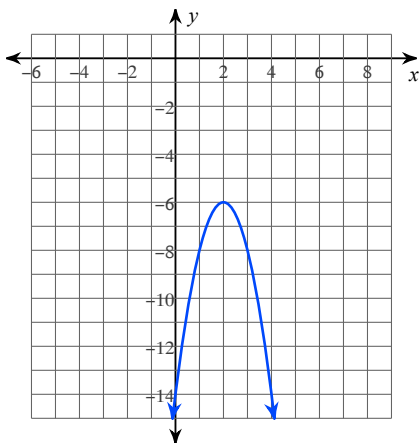
$$y = (x - 5)^2 - 4$$

2)



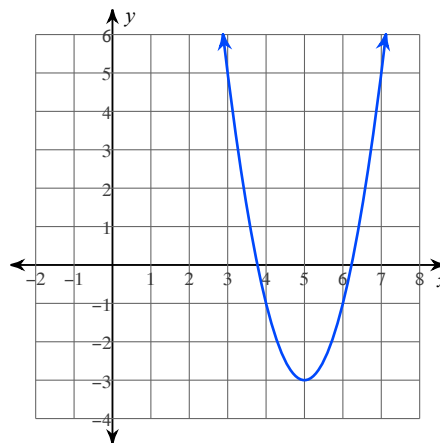
$$y = -(x + 2)^2 - 2$$

3)



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

4)

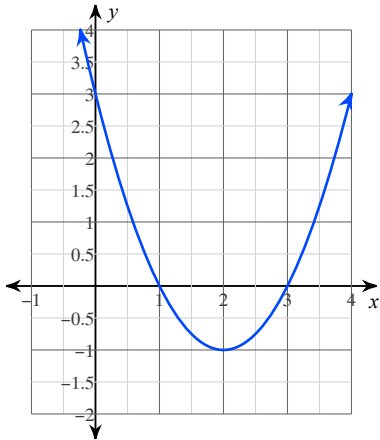


$$y = 2(x - 5)^2 - 3$$

Use the information provided to write the INTERCEPT FORM equation of each parabola.

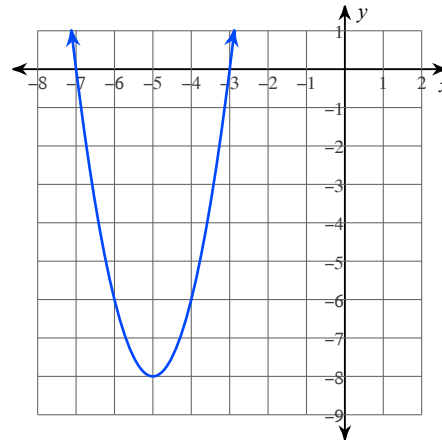
$$y = a(x - p)(x - q)$$

5)



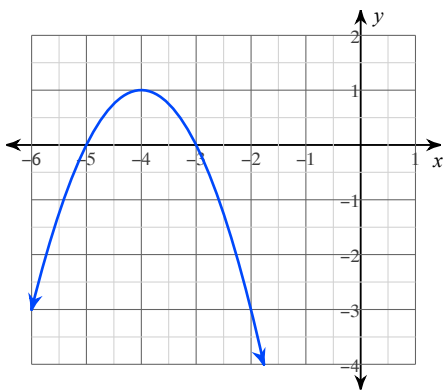
$$y = (x - 3)(x - 1)$$

6)



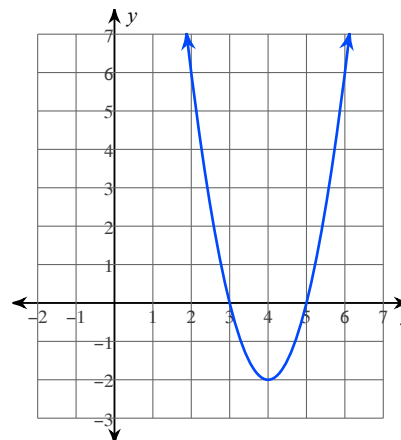
$$y = 2(x + 7)(x + 3)$$

7)



$$y = -(x + 5)(x + 3)$$

8)



$$y = 2(x - 5)(x - 3)$$