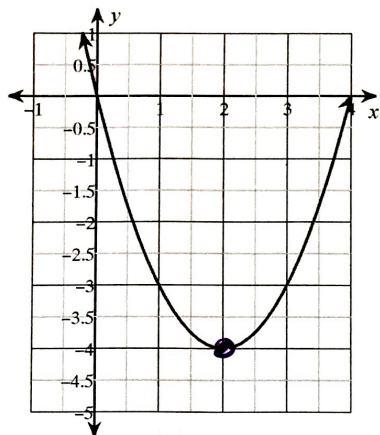


## Writing Equations of Parabolas in Vertex Form

Use the information provided to find the vertex and write the vertex form equation of each parabola.

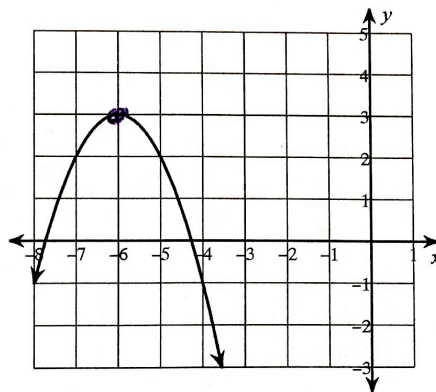
1)



VERTEX:  $(2, -4)$

EQUATION:  $y = 1(x - 2)^2 - 4$

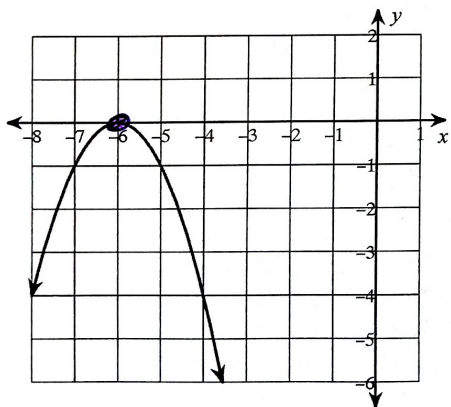
2)



VERTEX:  $(-6, 3)$

EQUATION:  $y = -1(x + 6)^2 + 3$

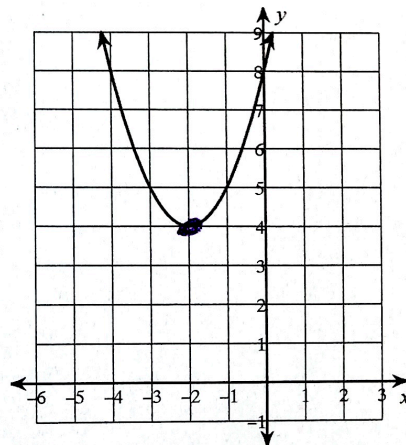
3)



VERTEX:  $(-6, 0)$

EQUATION:  $y = -1(x + 6)^2$

4)



VERTEX:  $(-2, 4)$

EQUATION:  $y = 1(x + 2)^2 + 4$