

# Vertex and Axis of Symmetry of a Parabola

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

Find the vertex and axis of symmetry of the graph of the function.

1)  $f(x) = x^2 + 4x - 5$

A)  $(-2, 9); x = -2$

C)  $(2, 9); x = 2$

B)  $(2, -9); x = 2$

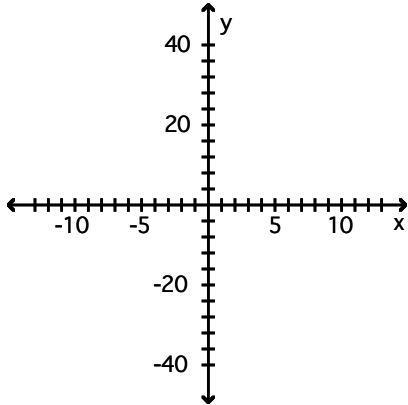
D)  $(-2, -9); x = -2$

1) \_\_\_\_\_

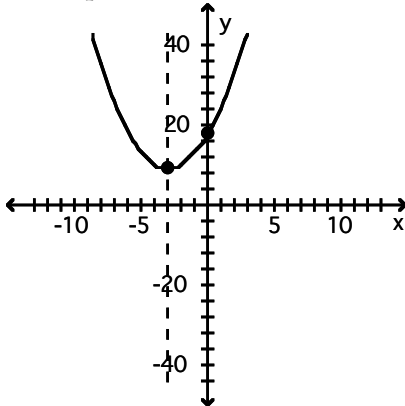
Graph the function using its vertex, axis of symmetry, and intercepts.

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

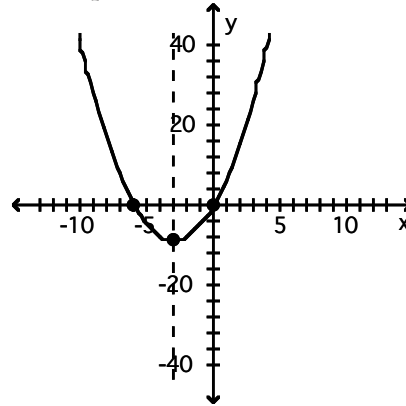
2) \_\_\_\_\_



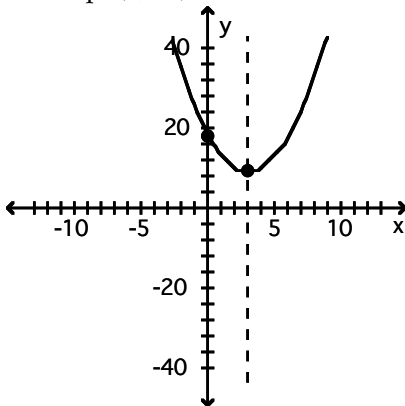
A) vertex  $(-3, 9)$   
intercept  $(0, 18)$



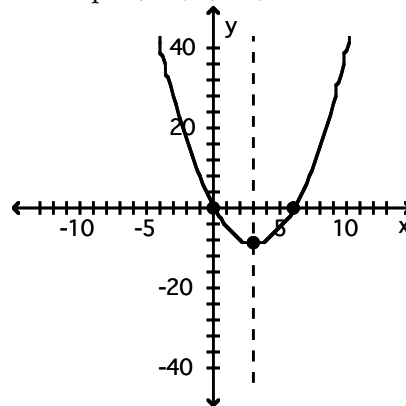
B) vertex  $(-3, -9)$   
intercepts  $(0, 0), (-6, 0)$



C) vertex  $(3, 9)$   
intercept  $(0, 18)$



D) vertex  $(3, -9)$   
intercepts  $(0, 0), (6, 0)$



Answer Key

Testname: VEXTEX AND AXIS OF SYMMETRY

- 1) D
- 2) D