

Graphing Quadratics

Date _____ Period _____

Find the vertex and the axis of symmetry.

1) $f(x) = x^2 + 2x - 3$

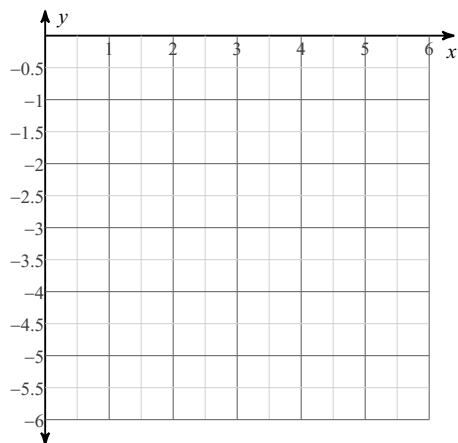
2) $f(x) = -x^2 - 4x - 5$

3) $f(x) = -2x^2 - 16x - 28$

4) $f(x) = 2x^2 - 8x + 4$

Sketch the graph of each function.

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



6) A) Make a table

B) Opens:

C) Vertex:

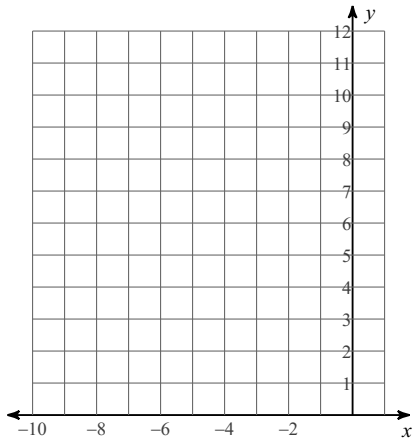
D) Axis of Symmetry:

E) Minimum or Maximum:

F) Range:

G) Domain:

7) $y = 2x^2 + 16x + 35$



8) A) Make a table

B) Opens:

C) Vertex:

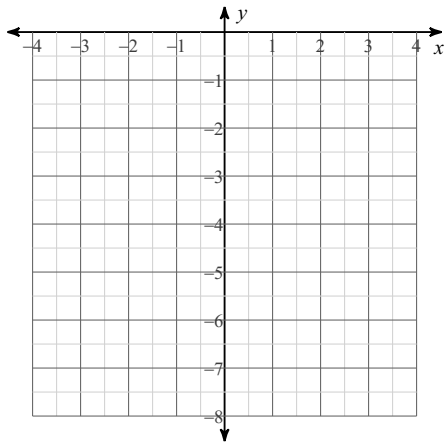
D) Axis of Symmetry:

E) Minimum or Maximum:

F) Range:

G) Domain:

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



10) A) Make a table

B) Opens:

C) Vertex:

D) Axis of Symmetry:

E) Minimum or Maximum:

F) Range:

G) Domain: