**Use the function to identify the quadratic properties AND GRAPH the function.**

1) 2)

Vertex: Vertex:

Max or Min at what? \_\_\_\_ Max or Min at what? \_\_\_\_

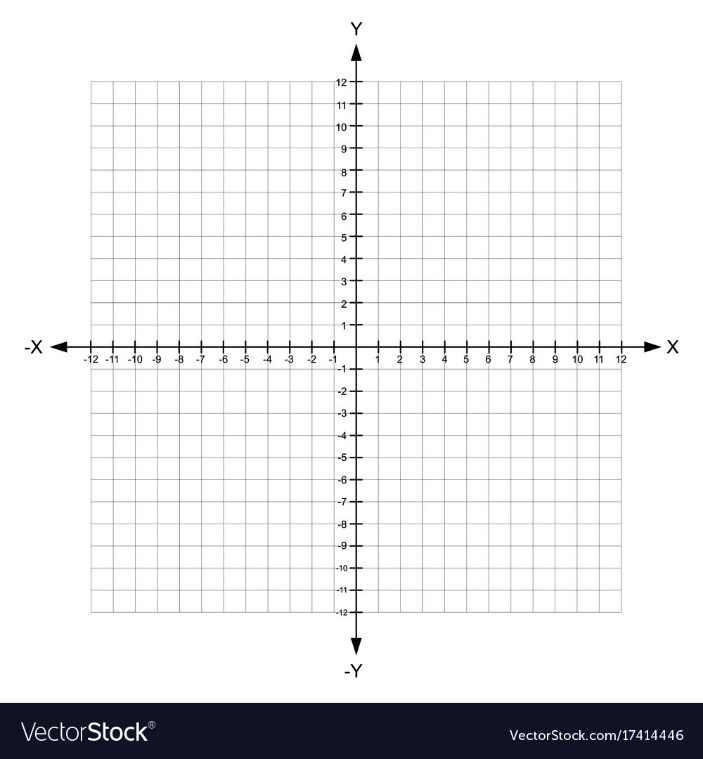
Axis of Sym: Axis of Sym:

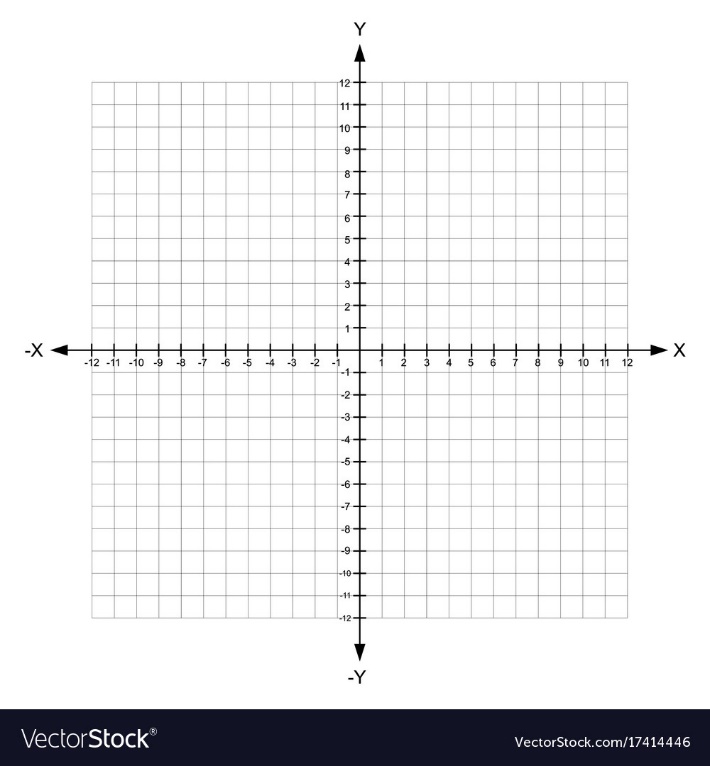
Zeros: Zeros:

Y-Int: Y-Int:

D: R: D: R:

Inc: Dec: Inc: Dec:

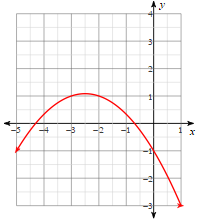
Pos: Neg: Pos: Neg:

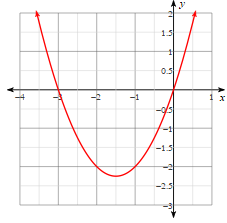


**Convert the following standard form problems into vertex form.**

3) 4)

5) 6)

**Use the graph to identify the quadratic properties. *(estimate numbers as needed)***

7) 8)

Vertex: Max or Min at what? \_\_\_\_ Vertex: Max or Min at what? \_\_\_\_

Axis of Sym: Y-Int: Axis of Sym: Y-Int:

Zeros: Zeros:

D: R: D: R:

Inc: Dec: Inc: Dec:

Pos: Neg: Pos: Neg:

**Graph the following quadratic functions from vertex form.**

9) 10) 11)

