**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Quiz: Quadratic Function**

**Find the vertex for each quadratic function.**

**Identify whether the given quadratic function has a minimum or a maximum.**

**Find the equation of the axis of symmetry for the graph of each quadratic function.**

**Find the y-intercept for the following parabola. Write your answers as ordered pairs.**

**Find the vertex, Axis of Symmetry and identify whether it is a maximum or a minimum.**

Vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Axis of Symmetry: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

y-intercept: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maximum or minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Domain where increasing: \_\_\_\_\_\_\_\_\_\_\_\_\_

Estimated zeroes/solutions: \_\_\_\_\_\_\_\_\_\_\_\_

Vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Axis of Symmetry: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maximum or minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Domain where increasing: \_\_\_\_\_\_\_\_\_\_\_\_\_

Estimated zeroes/solutions: \_\_\_\_\_\_\_\_\_\_\_\_

1. .

**Graph by finding key features. (goes up or down, roots, y-intercept, vertex)**



**Make a table then graph. Remember, you need the vertex first!**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x** |  |  |  |  |  |
| **y** |  |  |  |  |  |

1. 

