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

**Quiz: Quadratic Function**

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

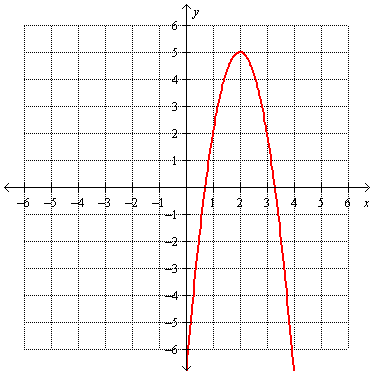
**Identify whether the given quadratic function has a minimum or a maximum.**

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

1. Circle which one is WIDER:



**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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

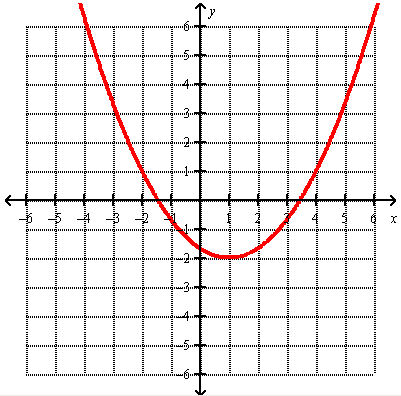
Axis of Symmetry: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

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

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

1. .

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

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



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

1. 