Quadratic Functions Study Guide

1.) Graph 

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| --- | --- |
| A.O.S. \_\_\_\_\_\_\_\_ Min or Max: \_\_\_\_\_\_\_  Y-Value: \_\_\_\_\_\_\_ Vertex: \_\_\_\_\_\_\_\_\_\_  Scale Factor: \_\_\_\_\_\_\_\_\_\_\_\_\_  Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

2.  3.

Axis of Symmetry: Axis of Symmetry:

Vertex: Vertex:

Solutions: Solutions:

**Find the roots of each expression by using the Quadratic Formula**

**4.** y2 + 15y – 100 = 0 5. x2 – 16 = 0

**Factor each expression. SHOW ALL WORK!!!!**

6.) 7.)

8.) 9.)

Factor by Completing the Square

10.)  11.) 