IM2 – 03 Key Characteristics (Practice 3A)
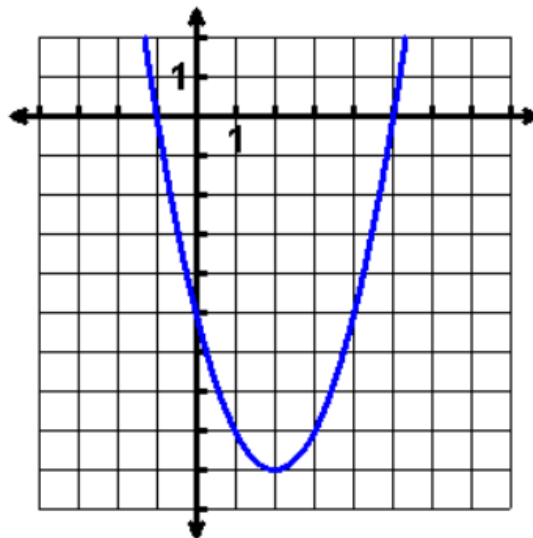
1. Answer the following questions about the graph.

Circle & Fill in the Blank

1. x-intercept(s): _____

2. Zeros: _____   3. Roots: _____

4. y-intercept(s): _____

5. Absolute Maximum / Minimum   6. Vertex: _____

7. Axis of Symmetry: _____

Fill in the Blanks using Inequality Notation

8. Domain: _____

    o   Interval(s) of Increase: _____

    o   Interval(s) of Decrease: _____
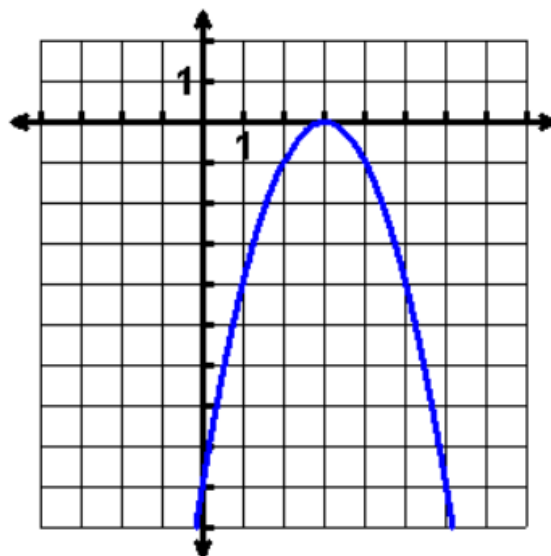
9. Range: _____

2. Answer the following questions about the graph.

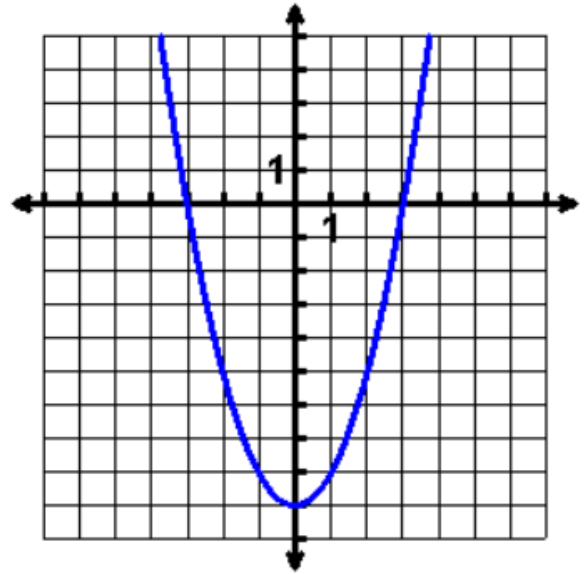**Circle & Fill in the Blank**

1. x-intercept(s): _____

2. Zeros: _____   3. Roots: _____

4. y-intercept(s): _____

5. Absolute Maximum / Minimum   6. Vertex: _____

7. Axis of Symmetry: _____

Fill in the Blanks using Inequality Notation

8. Domain: _____

    o   Interval(s) of Increase: _____

    o   Interval(s) of Decrease: _____

9. Range: _____

3. Answer the following questions about the graph.

Circle & Fill in the Blank

1. x-intercept(s): _____

2. Zeros: _____   3. Roots: _____

4. y-intercept(s): _____

5. Absolute Minimum / Minimum   6. Vertex: _____

7. Axis of Symmetry: _____

   Fill in the Blanks using Inequality Notation

8. Domain: _____

   o Interval(s) of Increase: _____

   o Interval(s) of Decrease: _____

9. Range: _____

4. Sketch the graph & answer the following questions about the graph. Use Desmos.com

$$f(x) = x^2 - 4x + 3$$

Circle & Fill in the Blank

1. x-intercept(s): _____

2. Zeros: _____   3. Roots: _____

4. y-intercept(s): _____

5. Absolute Minimum / Minimum   6. Vertex: _____

7. Axis of Symmetry: _____

Fill in the Blanks using Inequality Notation

8. Domain: _____

   o   Interval(s) of Increase: _____

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9. Range: _____