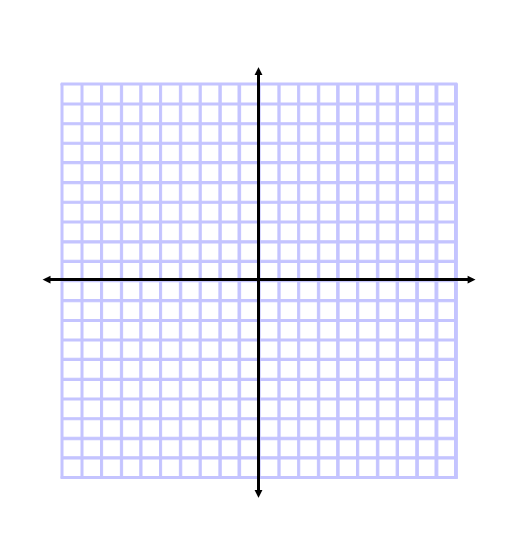
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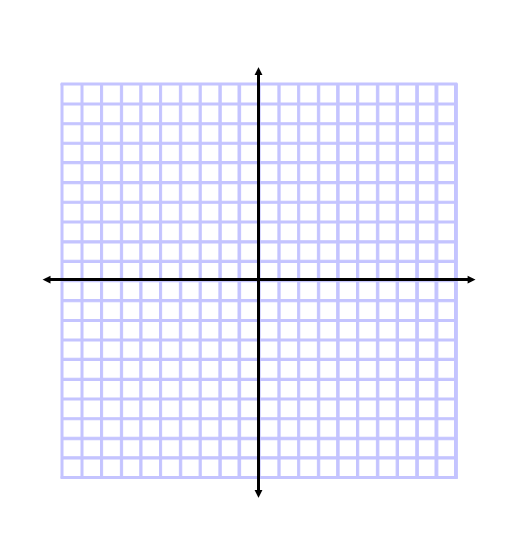
**Graphing Quadratic Functions (Day 2)**, Advanced Algebra with Trig- Glawe

1. Given the function f(x) = -4x2 + 8x + 4 find the following:

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1. Find = Graph the parabola below:
2. What is the vertex? \_\_\_\_\_\_\_\_\_\_
3. What is the orientation of this function? \_\_\_\_\_\_\_\_\_\_\_
4. Is the Vertex a maximum or minimum? \_\_\_\_\_\_\_\_\_\_\_\_
5. What is the maximum/minimum value? \_\_\_\_\_\_\_
6. What is the y-intercept? \_\_\_\_\_\_\_\_\_\_\_
7. What is the equation for the axis of symmetry? \_\_\_\_\_\_\_\_\_\_
8. Given the function f(x) = -12x2 – 24x + 7 find the following:
9. Find =

1. What is the vertex? \_\_\_\_\_\_\_\_\_\_
2. What is the orientation of this function? \_\_\_\_\_\_\_\_\_\_\_
3. Is the Vertex a maximum or minimum? \_\_\_\_\_\_\_\_\_\_\_\_
4. What is the maximum/minimum value? \_\_\_\_\_\_\_
5. What is the y-intercept? \_\_\_\_\_\_\_\_\_\_\_
6. What is the equation for the axis of symmetry? \_\_\_\_\_\_\_\_\_\_
7. Given the function f(x) = x2 – 6x + 3 find the following:

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1. Find = Graph the parabola below:
2. What is the vertex? \_\_\_\_\_\_\_\_\_\_
3. What is the orientation of this function? \_\_\_\_\_\_\_\_\_\_\_
4. Is the Vertex a maximum or minimum? \_\_\_\_\_\_\_\_\_\_\_\_
5. What is the maximum/minimum value? \_\_\_\_\_\_\_
6. What is the y-intercept? \_\_\_\_\_\_\_\_\_\_\_
7. What is the equation for the axis of symmetry? \_\_\_\_\_\_\_\_\_\_
8. Given the function f(x) = 20x2 – 40x + 3 find the following:
9. Find =

1. What is the vertex? \_\_\_\_\_\_\_\_\_\_
2. What is the orientation of this function? \_\_\_\_\_\_\_\_\_\_\_
3. Is the Vertex a maximum or minimum? \_\_\_\_\_\_\_\_\_\_\_\_
4. What is the maximum/minimum value? \_\_\_\_\_\_\_
5. What is the y-intercept? \_\_\_\_\_\_\_\_\_\_\_
6. What is the equation for the axis of symmetry? \_\_\_\_\_\_\_\_\_\_