Graphing Quadratic Equations

In This Unit:

Graphing Quadratic Equations



Lesson 14.1a



Lesson 14.1a





Bellwork 04/20/2012

In This Unit:

Graphing Quadratic Equations

Lesson 14.1b Graphing a Quadratic

What You Need to Know:

To graph a quadratic equations:

- 1. Find Axis of Symmetry [A.O.S.]
- 2. Find Vertex
- 3. Make a T-Chart
- 4. Plot Graph

To find the A.O.S., use $x=-\frac{b}{2a}$

This is also the x-coordinate of the vertex (x,y).

To find the y-coordinate of the vertex, plug the x-value back into the equation.

To make an t-chart, pick x-values to the right or to the left of the x-coordinate.

To finish the graph, mirror the points across the A.O.S.

Lesson 14.1a



Homework Assignment

Worksheet "Graphing Quadratic Equations"