

<u>Big Ideas</u>

- 1. How to graph and compare other graphs to the parent function.
- 2. How to find the vertex, axis of symmetry, y-intercept and reflection.
- 3. How to find the maximum or minimum values.
- 4. How to determine if the parabola opens up or down.

How to graph a Quadratic Equation

- 1. Find the x-coordinate x = -b/2a
- 2. Find the y-coordinate sub x into the original equation and solve
- 3. Write the x-coordinate & y-coordinate as the vertex V(x,y)
- 4. Find the y-intercept Sub Zero into the original equation and solve
- 5. Graph all points and find the reflection point of the y-intercept.







