Intro to Quadratic Equations - Student
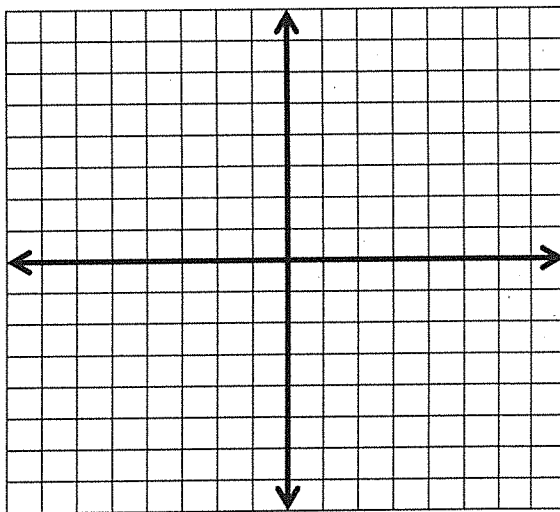
➢ **Quadratic Equation** – highest exponent (or degree) is _____.

Ex: $y = x^2 - 2x - 3$ $y = 2x^2 + 9$ $y = x^2$

➢ **Parent Function** is _____

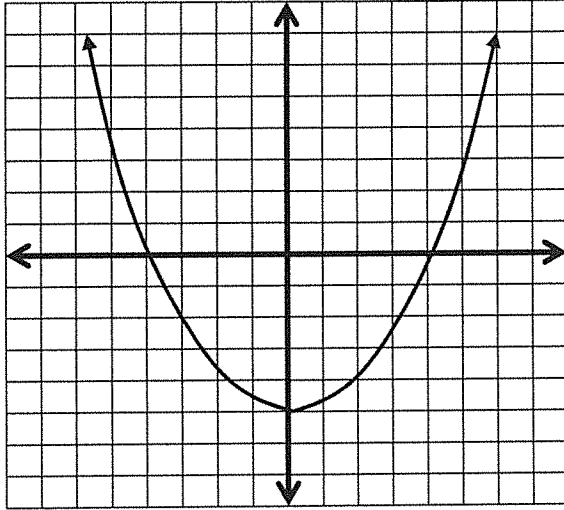➢ Let's set-up an x-y table and find it's graph…

X	Y
-2	
-1	
0	
1	
2	

This graph is called a "_____" and has 3 main features:

    1. _____ – _____

    2. _____ – vertical line cutting parabola in _____

    3. _____ – point(s) where graph crosses _____
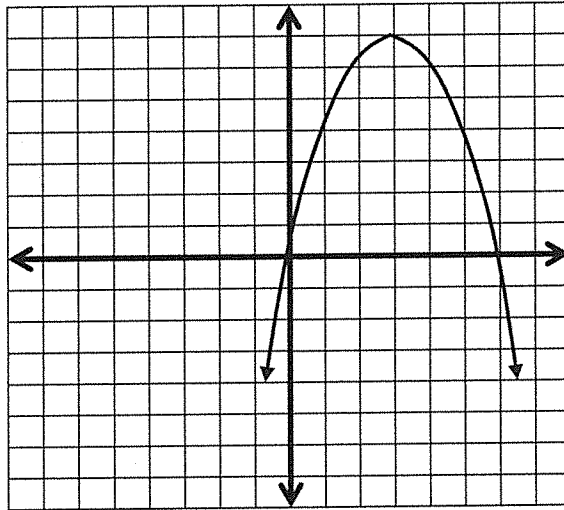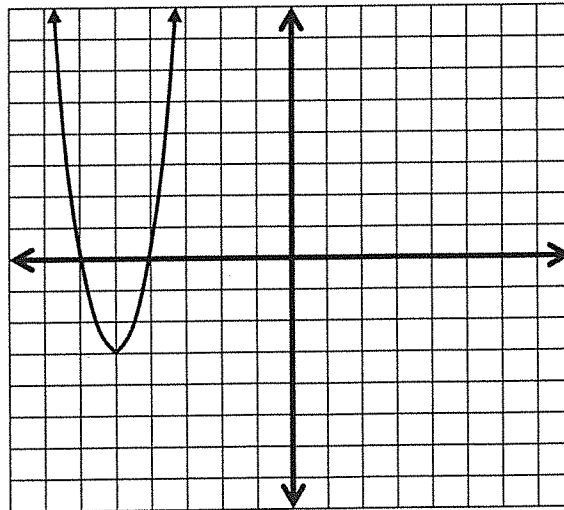
Ex:

Vertex:

Axis of Symmetry:

Zeros:

Ex:

Vertex:

Axis of Symmetry:

Zeros:

Ex:

Vertex:

Axis of Symmetry:

Zeros: