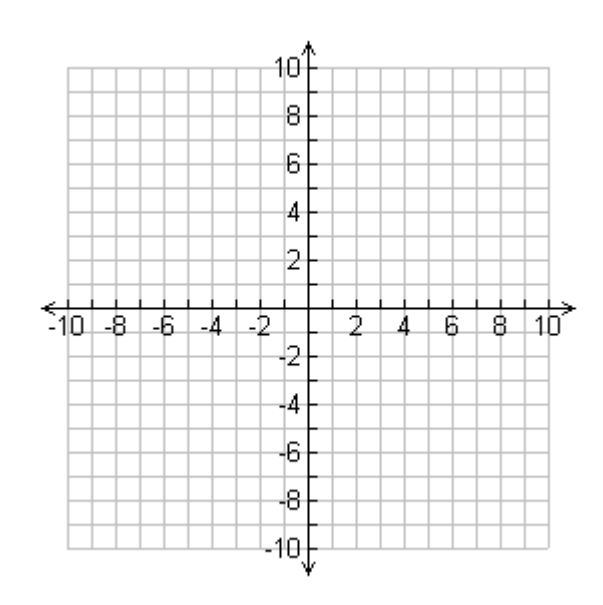


Graphing Quadratics – Analyzing and Comparing Functions: Day 1

Unit 2A: Quadratic Functions – Representations

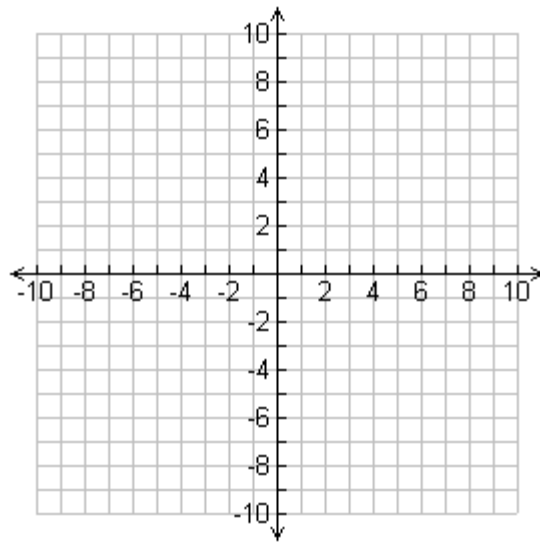
For each of the following quadratic functions you need to:

- Graph the quadratic functions using any method on the same graph (Use different colors)
- Identify the Axis of Symmetry of each function
- Identify the X-INTERCEPT(S) of each function
- Identify the Y-INTERCEPT of each function
- Identify the VERTEX of each function
- Compare the two functions with each other



1. $y = -x^2 - 6x - 6$

2. $y = x^2 + 4x + 3$



3. $f(x) = 2x^2 + 17x + 8$

4. $f(x) = -2x^2 + 12x + 10$