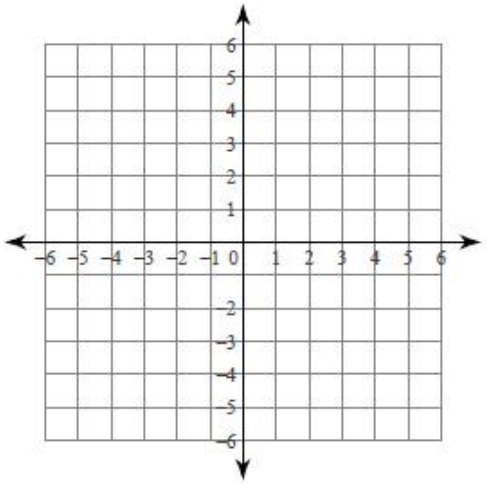
Practice 6.4.2 **Ringbloom** **Algebra 2A**

Graphing in Intercept Form

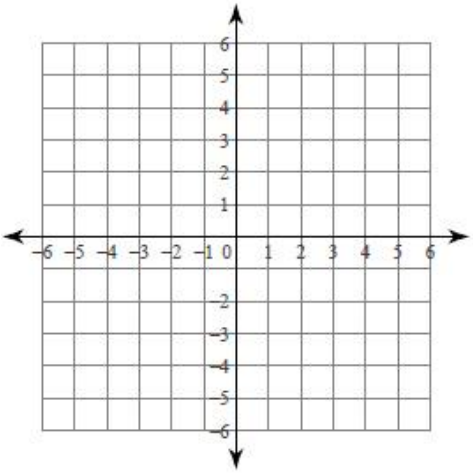
Name: _____ Hour: _____

Directions: Graph each quadratic function. Be sure to **draw in the axis of symmetry** and **label the coordinates of the vertex**.

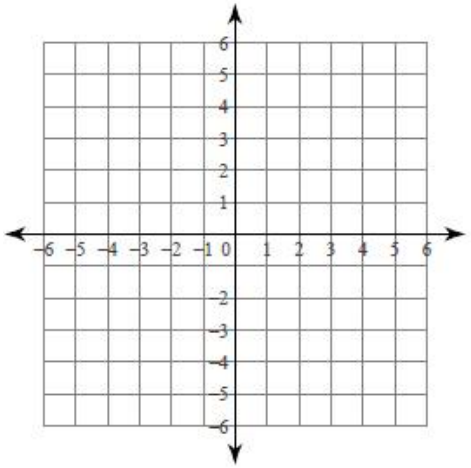
1. $y = (x + 2)(x - 2)$



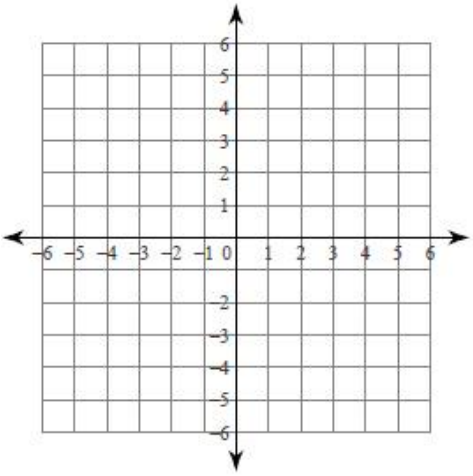
2. $y = \frac{1}{2}(x + 3)(x - 1)$



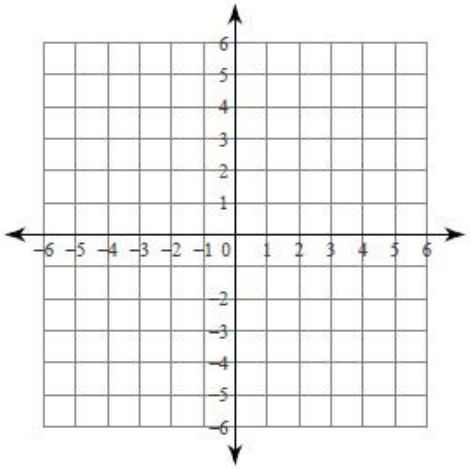
3. $y = \frac{1}{3}(x - 2)(x + 4)$



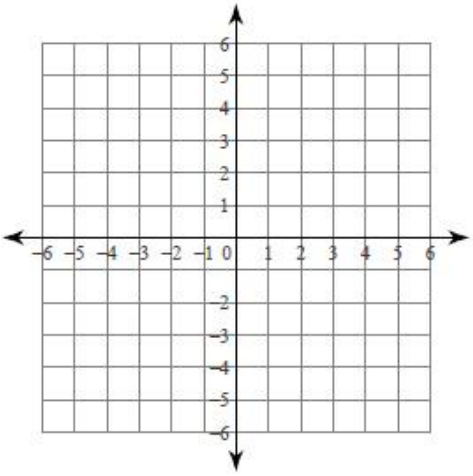
4. $y = -(x - 1)(x - 5)$



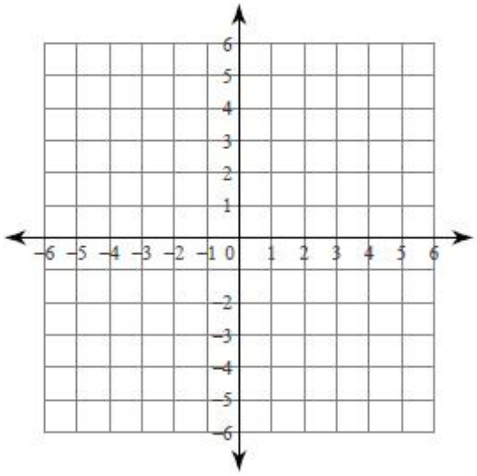
5. $y = -3(x + 4)(x + 6)$



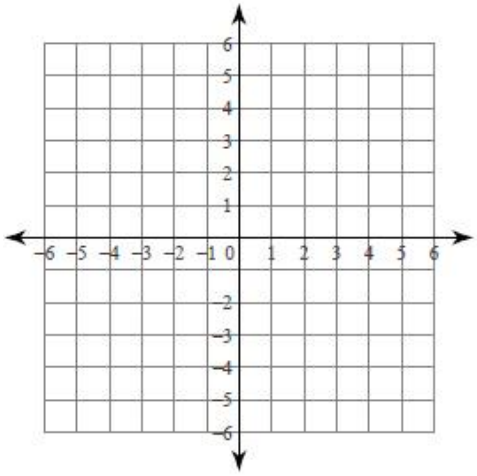
6. $y = 3x(x - 2)$



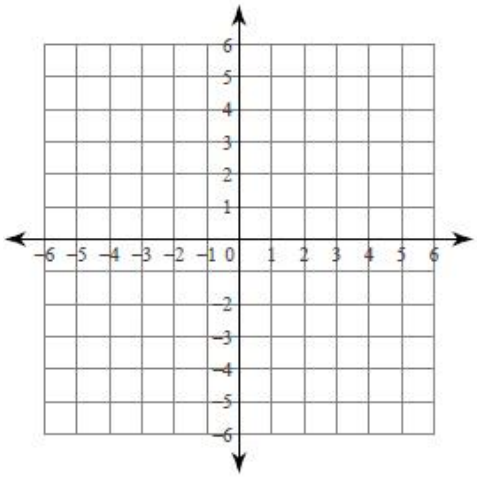
7. $y = x^2 + 6x + 5$



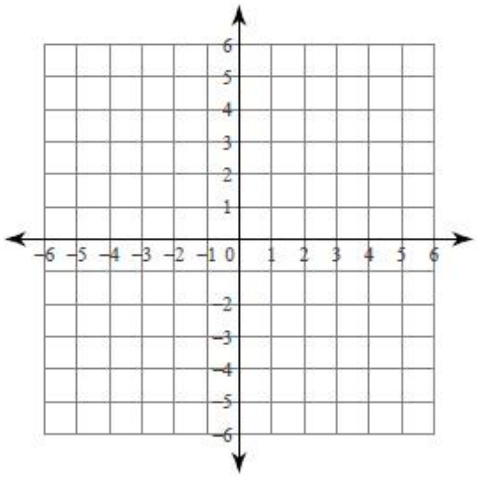
8. $y = x^2 - 2x - 3$



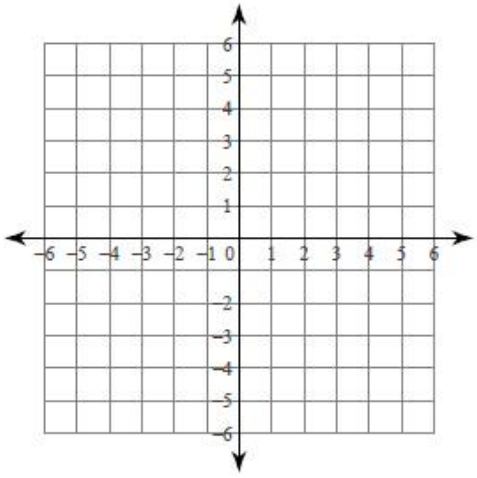
9. $y = -2x^2 - 12x - 16$



10. $y = -2x^2 + 4x$



11. $y = -x^2 - 6x - 5$



12. $y = x^2 - 4$