LESSON 36: Graphing Quadratic Equations

Homework

Find the axis of symmetry.

1. $y = x^2 + 6x + 8$ **2.** $y = ^-x^2 - 6x - 8$ **3.** $y = 2x^2 + x - 1$

Find the vertex for the equation.

4. $y = x^2 + 6x + 8$ **5.** $y = ^-x^2 - 6x - 8$ **6.** $y = 2x^2 + x - 1$

Find the x–intercepts.

7. $y = x^2 + 6x + 8$ **8.** $y = ^-x^2 - 6x - 8$ **9.** $y = 2x^2 + x - 1$

Using the information that you found above, graph each quadratic equation below.

10. $y = x^2 + 6x + 8$ **11.** $y = ^-x^2 - 6x - 8$ **12.** $y = 2x^2 + x - 1$