For the following quadratic equations, identify a, b and c, and then find the equation for the line of symmetry.

Sample #1: $y = x^2 + 6x - 5$

Answer: $a = 1,\ b = 6,\ c = -5$

The line of symmetry:

$$x = \frac{-(6)}{2(1)}$$

$$x = -3$$

Sample #2: $y = -2x^2 - 5x + 7$

Answer: $a = -2,\ b = -5,\ c = 7$

The line of symmetry:

$$x = \frac{-(-5)}{2(-2)}$$

$$x = -\frac{5}{4}$$

1. $y = x^2 + 4x + 12$

2. $y = x^2 + 10x - 3$

3. $y = x^2 - 12x + 4$

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

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

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

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

8. $y = 4x^2 - 16$

9. $y = -8x^2$

10. $y = 2x^2 - 7x$