

Quadratic Functions Bell Work

Find the axis of symmetry of each quadratic function given below.

1) $y = 4x^2 - 9$

2) $y = x^2 - 6x + 2$

3) $y = 3x^2 + 6x$

4) $y = -2x^2 + 4x$

Quadratic Functions Bell Work**Answer Key**

Find the axis of symmetry of each quadratic function given below.

1) $y = 4x^2 - 9$

Axis of symmetry:

$$x = -\frac{b}{2a}$$

$$x = -\frac{0}{2(4)}$$

$$x = 0$$

2) $y = x^2 - 6x + 2$

Axis of symmetry:

$$x = -\frac{b}{2a}$$

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

$$x = 3$$

3) $y = 3x^2 + 6x$

Axis of symmetry:

$$x = -\frac{b}{2a}$$

$$x = -\frac{6}{2(3)}$$

$$x = -1$$

4) $y = -2x^2 + 4x$

Axis of symmetry:

$$x = -\frac{b}{2a}$$

$$x = -\frac{4}{2(-2)}$$

$$x = 1$$