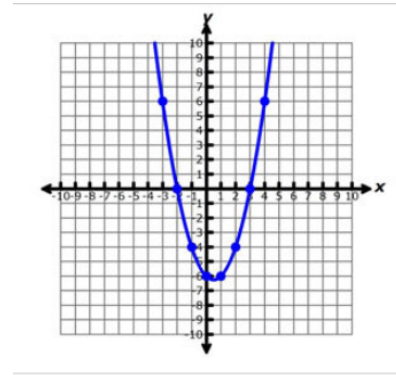
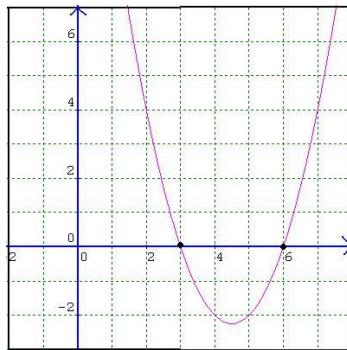
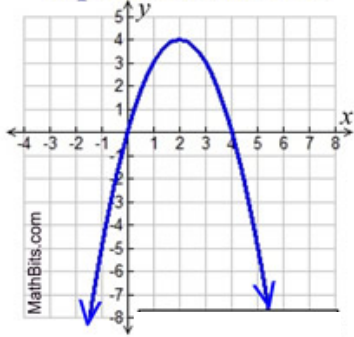


Level 1

Determine the *zeros* of each quadratic function:

Opens Downward



Zeros: _____

Zeros: _____

Zeros: _____

Level 2

Determine the *solutions* to each quadratic function:

$$(x + 5)(x - 6) = 0$$

$$(x + 7)(x + 1) = 0$$

$$(2x + 3)(x - 1) = 0$$

Zeros: _____

Zeros: _____

Zeros: _____

Level 3

Determine the *solutions* to each quadratic function:

$$x^2 + 5x + 6 = 0$$

$$x^2 - 2x - 8 = 0$$

$$x^2 + 3x - 40 = 0$$

Zeros: _____

Zeros: _____

Zeros: _____

Level 4

Determine the *solutions* to each quadratic function:

$$2x^2 - 6x - 20 = 0$$

$$3x^2 - 6x - 24 = 0$$

$$5x^2 - 45x + 100 = 0$$

Zeros: _____

Zeros: _____

Zeros: _____

Level 5

Determine the *solutions* to each quadratic function:

$$2x^2 + 5x + 2 = 0$$

$$3x^2 + x - 4 = 0$$

$$5x^2 - 18x + 9 = 0$$

Zeros: _____

Zeros: _____

Zeros: _____

Level 6

Determine the *solutions* to each quadratic function:

$$15x^2 - 27x - 6 = 0$$

$$10x^2 + 55x + 25 = 0$$

$$-4x^2 - 6x + 18 = 0$$

Zeros: _____

Zeros: _____

Zeros: _____

Level 7

Sketch a graph of each quadratic function. (hint: find zeros, and AoS)

$$x^2 + 4x - 12 = 0$$

$$x^2 + 10x + 25 = 0$$

$$-2x^2 - 16x - 14 = 0$$

