

Intercept Form of a Quadratic

Directions: Find the zeros of each function.

1) $f(x) = (x - 10)(x + 6)$

2) $g(x) = 3(x + 4)(2x - 1)$

3) $h(x) = x(x - 4)$

4) $m(x) = (3x - 2)(4x - 1)$

Directions: Use the zeros to find the vertex and axis of symmetry.

5) $f(x) = (x - 5)(x - 7)$

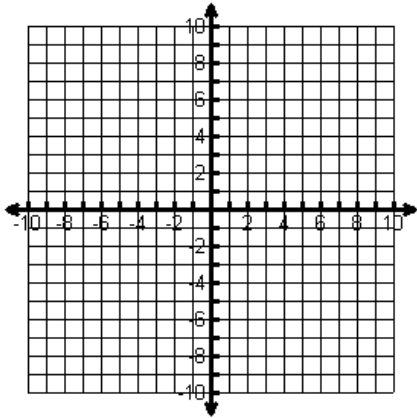
6) $r(x) = 2x(x - 5)$

7) $h(x) = (x - 1)(x + 3)$

8) $w(x) = (x + 6)(x - 7)$

Directions: Graph! Then find each characteristic.

9) $y = (x + 1)(x - 1)$



Domain: _____

Range: _____

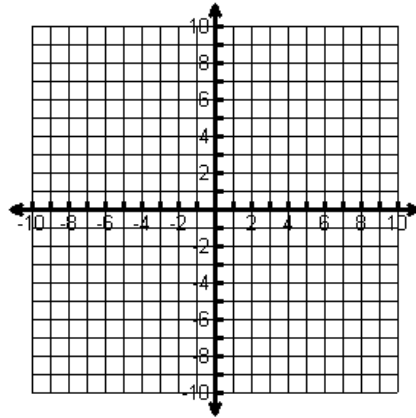
Vertex: _____

AOS: _____

Zeros: _____

y-intercept: _____

10) $f(x) = -(x - 4)(x + 2)$



Domain: _____

Range: _____

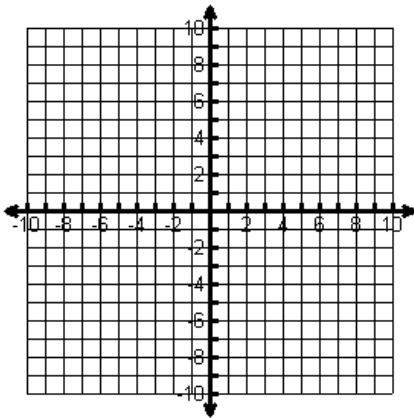
Vertex: _____

AOS: _____

Zeros: _____

y-intercept: _____

11) $y = 2(x - 1)(x + 3)$



Domain: _____

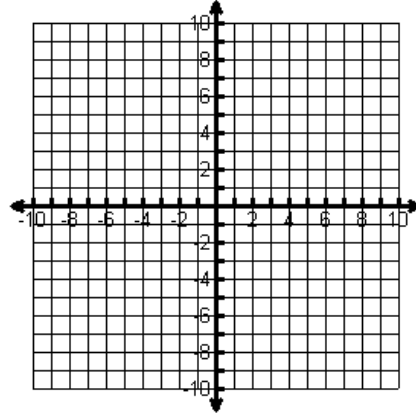
Range: _____

Vertex: _____

AOS: _____

y-intercept: _____

12) $y = -x(x - 3)$



Domain: _____

Range: _____

Vertex: _____

AOS: _____

y-intercept: _____