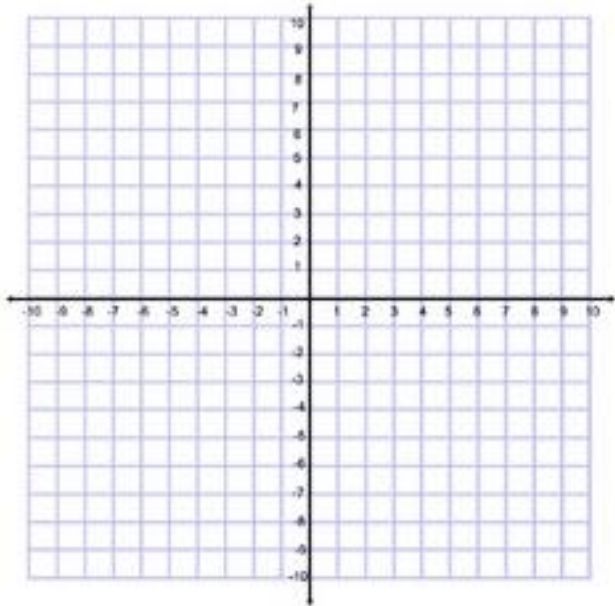
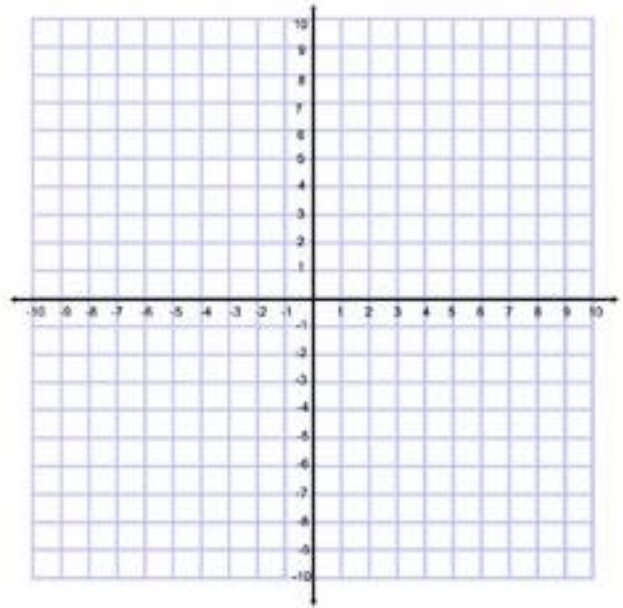


### Assignment: Graphing Quadratic Functions in Intercept Form

1.)  $f(x) = (x + 2)(x - 4)$



2.)  $f(x) = 2(x + 3)(x - 1)$



Up or down? \_\_\_\_\_

X - intercept(s): \_\_\_\_\_

Axis of symmetry: \_\_\_\_\_

Vertex: \_\_\_\_\_

Max/Min? \_\_\_\_\_

Y - intercept: \_\_\_\_\_

Wide, Narrow, Norma?  
\_\_\_\_\_

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Inc: \_\_\_\_\_ Dec: \_\_\_\_\_

Up or down? \_\_\_\_\_

X - intercept(s): \_\_\_\_\_

Axis of symmetry: \_\_\_\_\_

Vertex: \_\_\_\_\_

Max/Min? \_\_\_\_\_

Y - intercept: \_\_\_\_\_

Wide, Narrow, Norma?  
\_\_\_\_\_

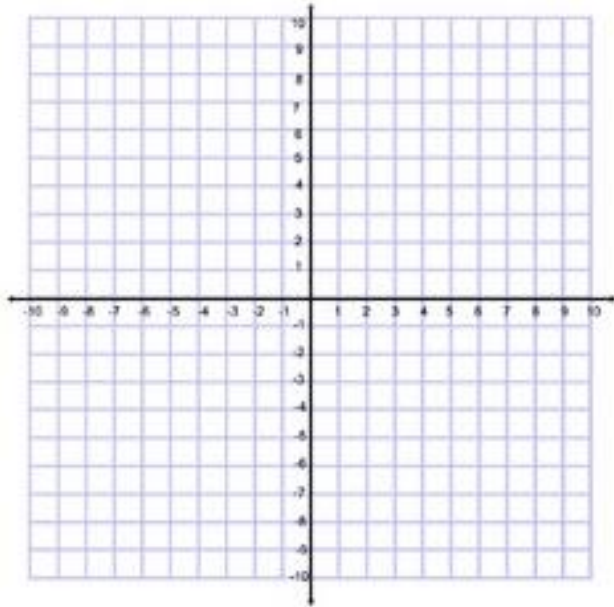
Domain: \_\_\_\_\_

Range: \_\_\_\_\_

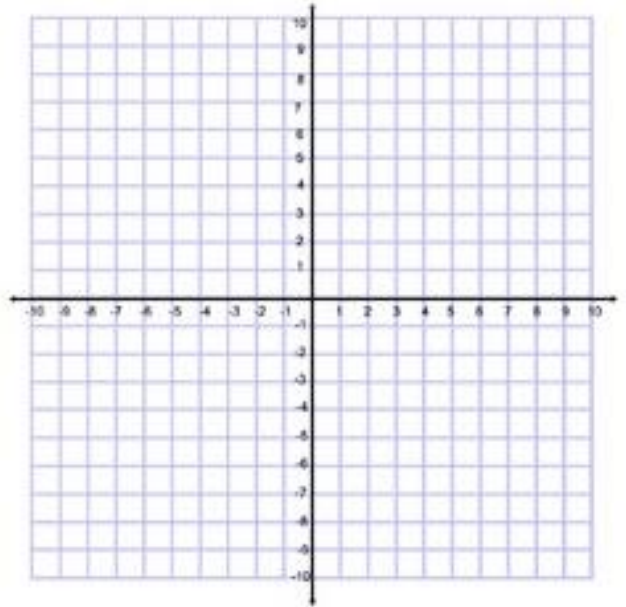
Inc: \_\_\_\_\_ Dec: \_\_\_\_\_

### Assignment: Graphing Quadratic Functions in Intercept Form

3.)  $f(x) = -(x - 2)(x + 4)$



4.)  $f(x) = -\frac{1}{2}(x + 2)(x - 4)$



Up or down? \_\_\_\_\_

X - intercept(s): \_\_\_\_\_

Axis of symmetry: \_\_\_\_\_

Vertex: \_\_\_\_\_

Max/Min? \_\_\_\_\_

Y - intercept: \_\_\_\_\_

Wide, Narrow, Norma?

\_\_\_\_\_

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Inc: \_\_\_\_\_ Dec: \_\_\_\_\_

Up or down? \_\_\_\_\_

X - intercept(s): \_\_\_\_\_

Axis of symmetry: \_\_\_\_\_

Vertex: \_\_\_\_\_

Max/Min? \_\_\_\_\_

Y - intercept: \_\_\_\_\_

Wide, Narrow, Norma?

\_\_\_\_\_

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Inc: \_\_\_\_\_ Dec: \_\_\_\_\_