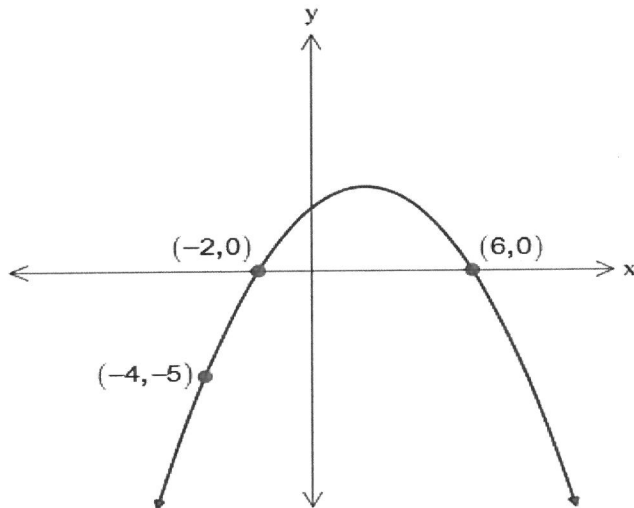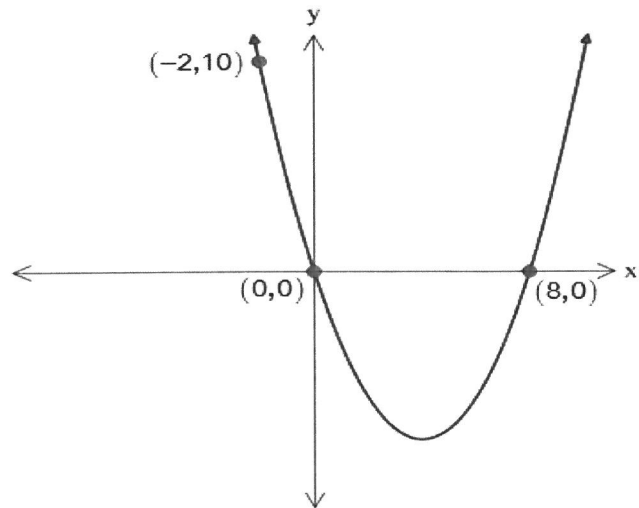# Quadratic - Factored Form #3
Amanda Zito

Question 1

Determine the **range** of the following parabola:

Question 3

Determine the **range** of the following parabola:

Question 2

Determine the **coordinates of the maximum** of the following quadratic function:
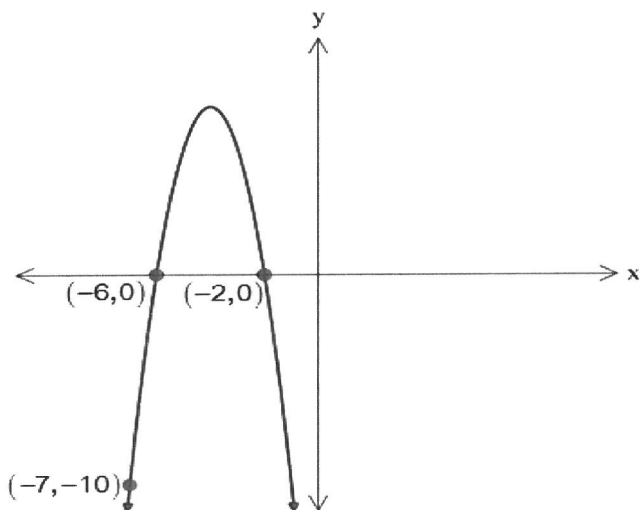
$$y = -3(x+7)(x+11)$$

Question 4

Determine the **coordinates of the maximum** of the following quadratic function:

$$y = -(x-3)(x+5)$$

Question 5
Determine the **range** of the following parabola:

Question 7
Determine the **coordinates of the maximum** of the following quadratic function:

$$y = -\frac{1}{4}(x-8)(x+12)$$

Question 8
Determine the **coordinates of the minimum** of the following quadratic function:

$$y = \frac{1}{16}(x-9)(x+7)$$

Question 6
Determine the **coordinates of the minimum** of the following quadratic function:

$$y = 2(x+1)(x+5)$$

Question 9

Determine the coordinates for the **y-intercept** of a parabola given the following information:

- the zeros are (-2,0) and (4,0)
- it passes through the point (3,5)

Question 10

Determine the **range** of the following parabola: