Today's Learning Goal(s):

Date: _____

By the end of the class, I will be able to:

a) find the point of intersection between a line and a parabola.

b) solve problems involving the intersection of linear and quadratic functions .

Last day's work: READ pp. 188-191

p. 192 #1 – 3, 4ac, 5ac, 6, 8, 10
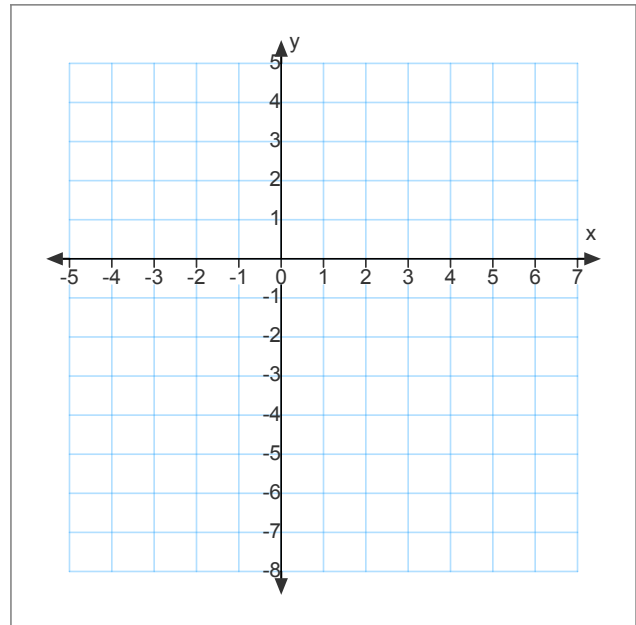
3.8 Linear Quadratic Systems

Date: _____

Ex. 1: Consider the followinglinear-quadratic system.

$$y = (x-3)^2 - 7$$

$$y = x - 6$$

a) Solve the system by graphing.

$\therefore$ the solutions are approximately

Ex. 1 (cont'd)

b) Solve the system algebraically.

$$y = (x-3)^2 - 7$$

$$y = x - 6$$

$\therefore$ the solutions are [⬚] and [⬚]

Ex. 2: For what values of m is $y = mx - 2$ tangent
to the parabola defined by $y = -x^2 + 8x - 11$?

Are there any Homework Questions you would like to see on the board?

Last day's work: READ pp. 188-191
p. 192 #1 – 3, 4ac, 5ac, 6, 8, 10

Today's Homework Practice includes:

pp. 198-199 #1c, 2ac, 3, 4ab, 5 8 [11]