Wednesday, February 13, 2019

$$ax^2 + bx + c = 0$$

- Warm-up
  - Solve the following system

$$\begin{cases} y = x^2 - 5x + 7 \\ y = 2x + 1 \end{cases}$$

$$y = 2(6) + 1$$
$$y = 13$$
$$y = 2(1) + 1$$
$$= 3$$

$$x^2 - 5x + 7 = 2x + 1$$
$$-2x - 1 \quad -2x - 1$$
$$x^2 - 7x + 6 = 0$$
$$(x - 6)(x - 1) = 0$$

$$x - 6 = 0 \qquad x - 1 = 0$$
$$+6 \ +6 \qquad +1 \ +1$$
$$\boxed{x = 6} \qquad \boxed{x = 1}$$
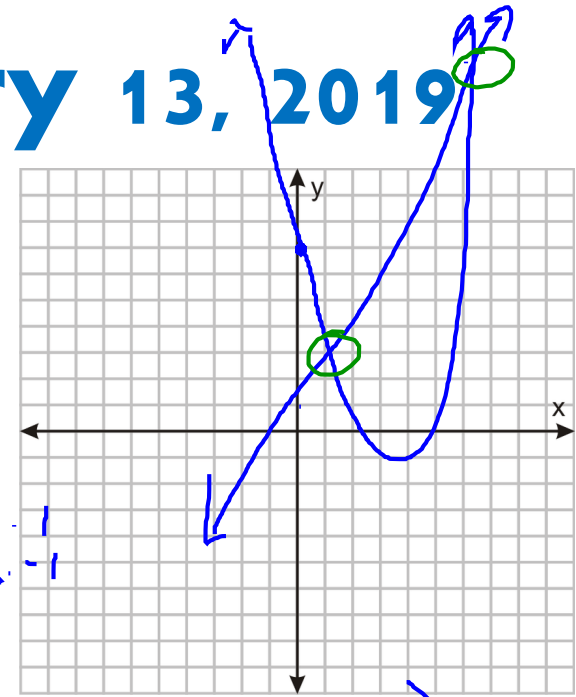
$$(6, 13)$$
$$(1, 3)$$

- Test

Objectives:
Content: I will demonstrate what I know about systems of equations through the unit 5 post-test.
Social: I will be part of a conducive testing environment.
Language: I will read questions carefully and answer them to the best of my ability.