ALG III   Name: _____
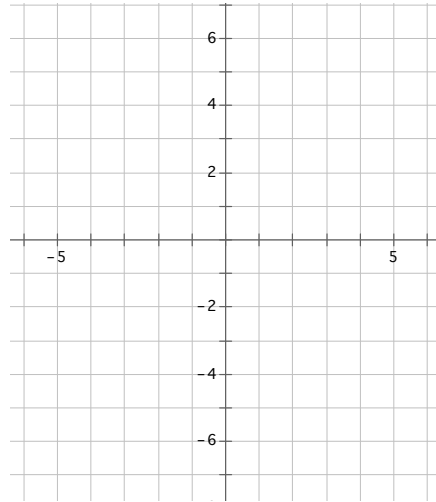Systems of Equations   9/6/17

Warm-Up: Graph the following system of equations and find the point of intersection.

$y = 2x - 5$

$-x + 3y = 6$

Ex #1: Solve the system of equations from the warm-up using **Substitution**.

$y = 2x - 5$

$-x + 3y = 6$

Why was substitution easy to use for this system?

Ex #2: Solve the following system of equations using **Substitution**.

$4x + y = 5$

$2x - 3y = 13$

Ex #3: Solve the following system of equations using **Elimination**.

$4x + y = 5$
$2x - 3y = 13$

Which method was easier to use for this system of equations?

Ex #4: Solve the following system of equations:

$2x + y = 6$
$-8x - 4y = -24$

Inconsistent:

Dependent:

HW: p 180 #58-66