Warm Up Week 7

Solve by Substitution

$x - 2y = -25$

$3x - y = 0$

$x - 2y = -25$
$+2y \quad +2y$
$x = (2y - 25)$

$3(2y-25) - y = 0$
$6y - 75 - y = 0$
$5y - 75 = 0$
$+75 \quad +75$
$\frac{5y}{5} = \frac{75}{5}$
$y = 15$

$x = 2(15) - 25$
$x = 5$

$(5, 15)$
$3(5) - 15 = 0$
$0 = 0$ ✓
∴ yes, $(5, 15)$ sol^n

7.3 Quiz Tomorrow

$3(2x - 3y = 0)$
$-2(3x - 2y = 5)$

$6x - 9y = 0$
$-6x + 4y = -10$
$-5y = -10$
$\frac{-5y}{-5} = \frac{-10}{-5}$
$y = 2$

$2x - 3(2) = 0$
$2x - 6 = 0$
$+6 \quad +6$
$\frac{2x}{2} = \frac{6}{2}$
$x = 3$

7) $3(x-y=0)$ → $3x-3y=0$

$-3x-y=2$ → $-3x-y=2$

$-4y=2$

$\frac{-4y}{-4}=\frac{2}{-4}$

$y=-\frac{1}{2}$

$x+\frac{+1}{2}=0$

$-\frac{1}{2}\ -\frac{1}{2}$

$x=-\frac{1}{2}$

What Happened?

Review

*Graphing

*Substitution

*Linear Combinations

Homework

Review for quiz 7.1-7.3

*Linear Combinations wkst

*7.3 p.405 #8-22even

↳ put in Basket