Date: Oct 30

Bell ringer

Solve by substitution

$-3x+4y=12$

$3x-6y=18$

$(-24,-15)$

$3x-6y=18$

$+6y \quad +6y$

$3x=6y+18$

$x=2y+6$

Assignment:

WS review on solving systems by graphing and substitution

20) $5x - y = 5$

$-x + 3y = 13$ → $-x + 3y = 13$

$-3y \quad -3y$

$-x = -3y + 13$

$x = 3y - 13$

$5(3y - 13) - y = 5$

$15y - 65 - y = 5$

$14y - 65 = 5$

$14y = 70$

$x = 3(5) - 13$

$y = 5$ $\quad$ $x = 2$

(2,5)

(6) $x = y - 1$

$-x + y = -1$

$-1(y-1) + y = -1$

$-y + 1 + y = -1$

$1 = -1$ NS

18) $y = -3x + 1$ ②

$2x + y = 1$

$2x - 3x + 1 = 1$

$-x + 1 = 1$

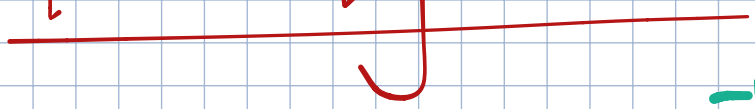
$-1 \quad -1$

$-x = 0$

$x = 0$

12) $2x + y = 3$

$4x + 4y = 8 \rightarrow 4x + 4y = 8$



$$-4x \qquad -4x$$

$$4y = -4x + 8$$

$$y = -x + 2$$