$-2x+4y=-14 \rightarrow -2x+4y=-14$

$-4(3x+y=21) \rightarrow -12x-4y=-84$

$-14x=-98$

$\frac{-14x}{-14}=\frac{-98}{-14}$

$x=7$

$3(7)+y=21$

$21+y=21$

$-21 \quad -21$

$y=0$

$(7,0)$

Oct 18-8:00 AM

$y=4x-25$

$-3x-2y=25$

$\frac{-2y}{-2}=\frac{3x}{-2}+\frac{25}{-2}$

$y=-\frac{3}{2}x-\frac{25}{2}$

Graph on Calc

$X=2.27 \quad y=-1591$

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$y=\frac{3}{4}x+3$

$y=3x-6$

Plug in calc.

Zoom 6

$(4,6)$

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$2(3x-2y=6) \rightarrow -6x+4y=-12$

$6x-4y=12 \quad 6x-4y=12$

$0=0$

true statement

Solve for y

$y=\frac{3}{2}x-3$

$y=\frac{3}{2}x-3$

These are the same line!

infinitely many solutions

Oct 18-8:23 AM

$-1(3x-2y=6)$

$3x-2y=2$

$3x-2y=6$

$3x-2y=2$

$0=-4$

Not true!

no solution!

lines are parallel

Pg. 152 4, 6, 8, 26, 54

Pg. 146 # 1, 2, 3

Oct 18-8:28 AM