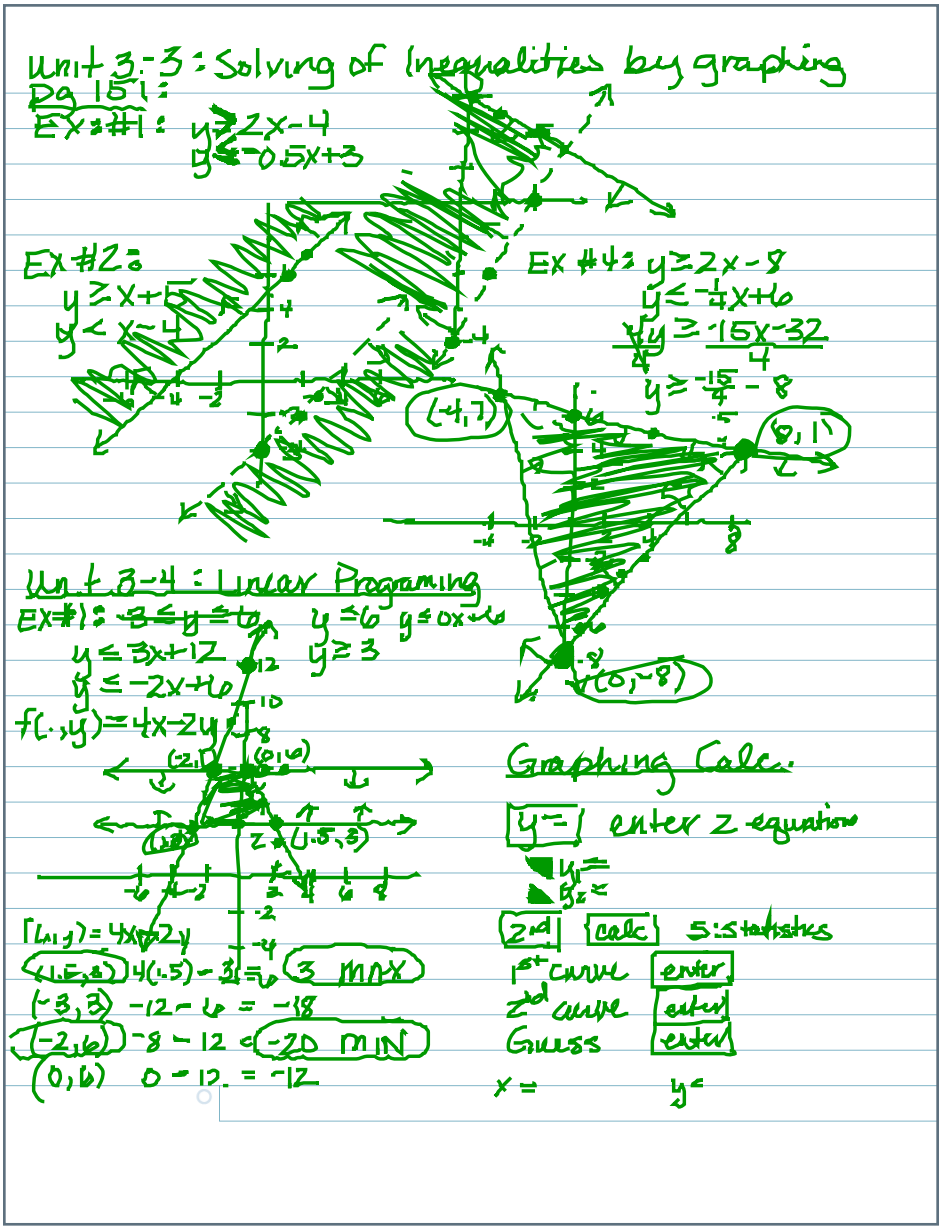


10.02.2011 8:33p

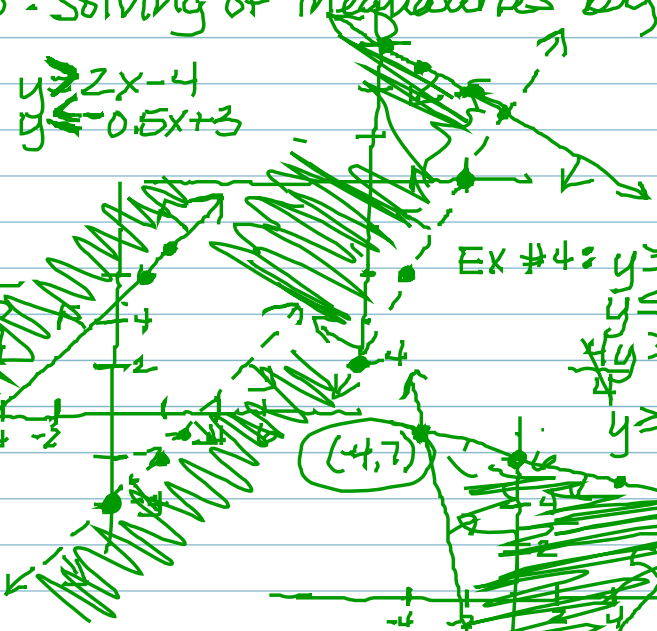
10/2/11, 4:38 PM, 24m 50s

Unit 3-3: Solving of Inequalities by graphing

Pg 151:

Ex #1: $y \geq 2x - 4$

$y \leq -0.5x + 3$



Ex #2:

$y \geq x + 5$

$y < x - 4$

Ex #4: $y \geq 2x - 8$

$y \leq -\frac{1}{4}x + 6$

$4y \geq -15x - 32$

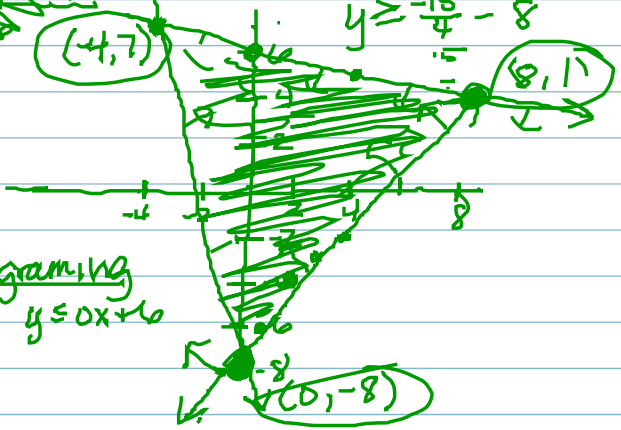
$\frac{4}{4}$

$y \geq \frac{-15}{4} - 8$

(-4, 7)

(8, 1)

(0, -8)



Unit 3-4: Linear Programming

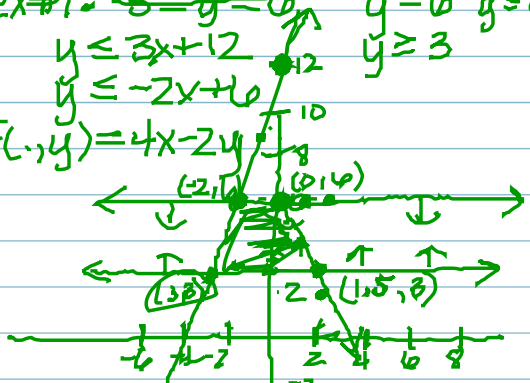
Ex #1: $-8 \leq y \leq 6$ $\quad y \leq 6$ $\quad y \leq 0x + 6$

$y \leq 3x + 12$ $\quad y \geq 3$

$y \leq -2x + 6$

$f(x, y) = 4x - 2y$

(-2, 6) (0, 6) (-3, 3) (1.5, 3)



$f(x, y) = 4x - 2y$

(1.5, 3) $4(1.5) - 3 = 6$ 3 MAX

(-3, 3) $-12 - 6 = -18$

(-2, 6) $-8 - 12 = -20$ MIN

(0, 6) $0 - 12 = -12$

Graphing Calc.

y= enter 2 equations

$y_1 =$

$y_2 =$

2nd calc 5: statistics

1st curve enter

2nd curve enter

Guess enter

x = y =