

HALG2

Ch3

Review #2 p. 151 58, 1+2 p. 164 1-11

p. 151

58. Vertices $(0,0)$ $(0,4)$ $(5,0)$ + $(2,3)$

Max Prof 12 at $x=0, y=4$

1. Vertices $(5,27)$ $(5,5)$ $(16,16)$

Min C of 25 when $x=5$ and $y=5$

2. $x+y \leq 400$

Objective Fcn

$100x + 150y \leq 45000$

$P = 60x + 75y$

$x \geq 0, y \geq 0$

Vertices $(0,0)$ $(0,300)$ $(300,100)$ $(400,0)$

Max Profit of \$25500 when 300 acres of corn + 100 acres of soy are planted

p. 164

1. one sol'n
diff. m's

2. no sol'n
|| lines
same m's
diff b's

3. $(1,3)$

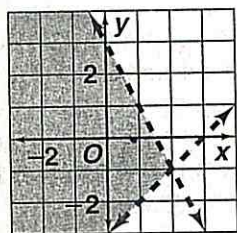
4. $(40,12)$

5. $(3,8)$

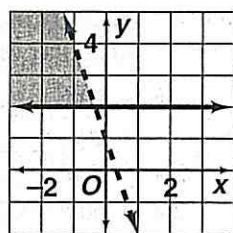
6. no sol'n

7. Substitution is best when one variable is or can be easily isolated

8.



9.



10. skip

11.

