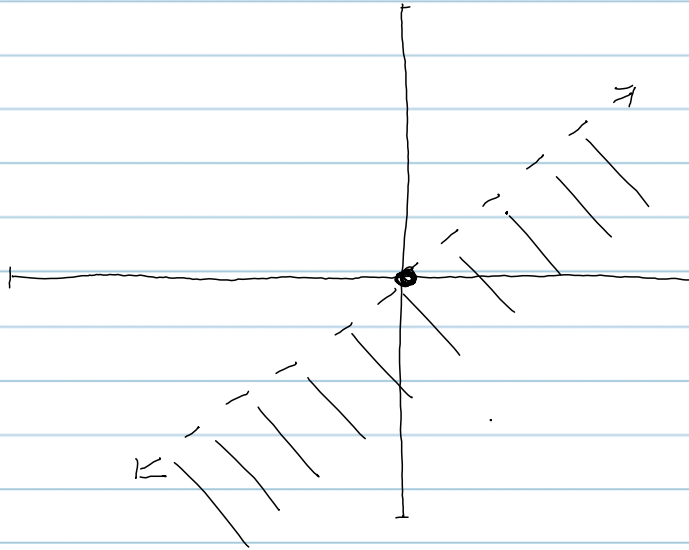


Alg II Honors

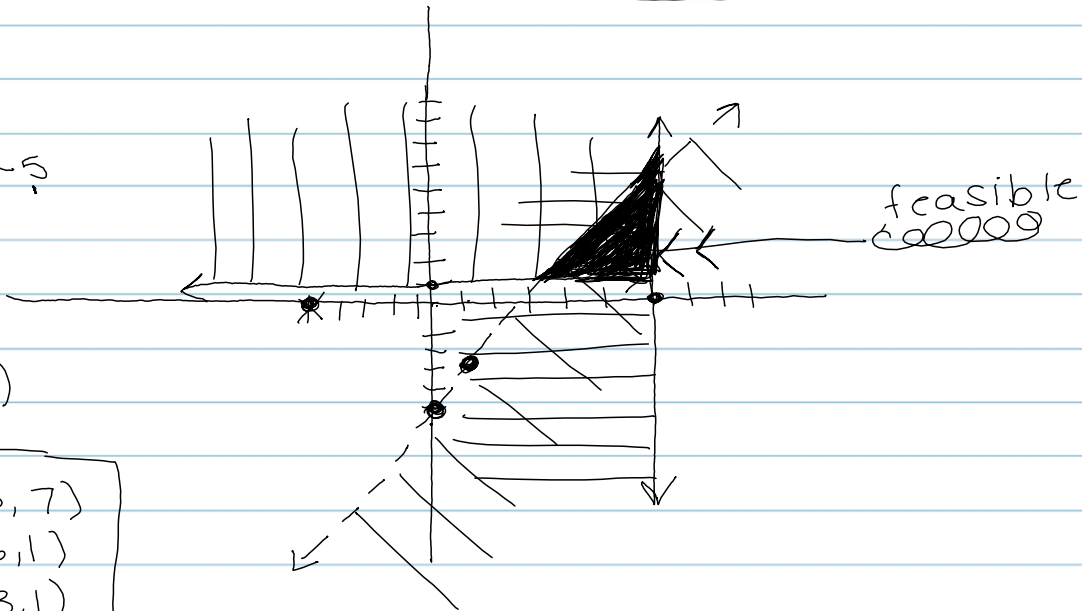
11/5/10

$y < x$   
 $y = x$   
 $3 \leq x$   
 $4 \leq y$



$y \geq 1$   
 $x \leq 6$   
 $y < 2x - 5$

x	y
0	-5
1	-3



$(y = 2(6) - 5)$

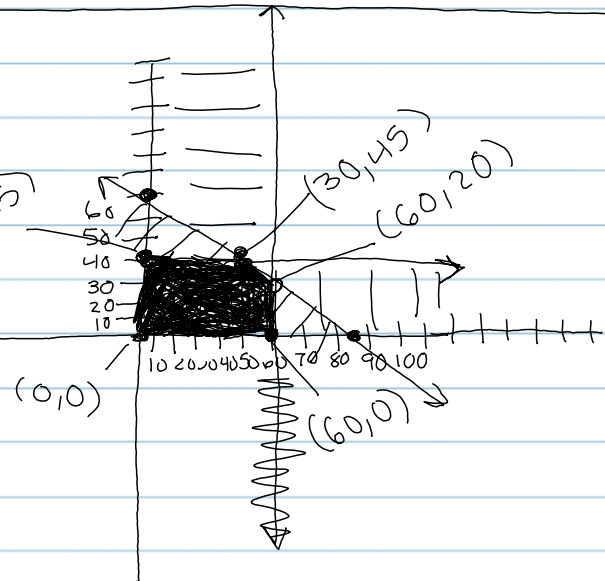
$y = 12 - 5$

$y = 7$

- (6, 7)
- (6, 1)
- (3, 1)

~~max~~  $f(x, y) = 10x + 7y$   
 $0 \leq x \leq 60 \rightarrow$   
 $0 \leq y \leq 45$   
 $5x + 6y \leq 420$

- (0, 0)
- (0, 45)
- (30, 45)
- (60, 20)
- (60, 0)
- (0, 45)



x, y	$10x + 7y$	$f(x, y)$
(0, 0)	$0 + 0$	0
(0, 45)	$0 + 7(45)$	315
(30, 45)	$10(30) + 7(45)$	615
(60, 20)	$10(60) + 7(20)$	740
(60, 0)	$10(60) + 7(0)$	600