Trig  Ch. 1 & Ch. 2 last chance review

At least 1 problem from each section Ch. 1 & Ch. 2
(your choice odds or evens)

(4) $f(x,y) = 2x + 3y$

- $x \geq 1$ $x = 1$
- $y \geq -2$ $y = -2$
- $y + x \leq 6$ $y = -x + 6$
- $y \leq 10 - 2x$ $-2x + 10$

$\rightarrow (1,-2)$ $2 + -6 = -4$

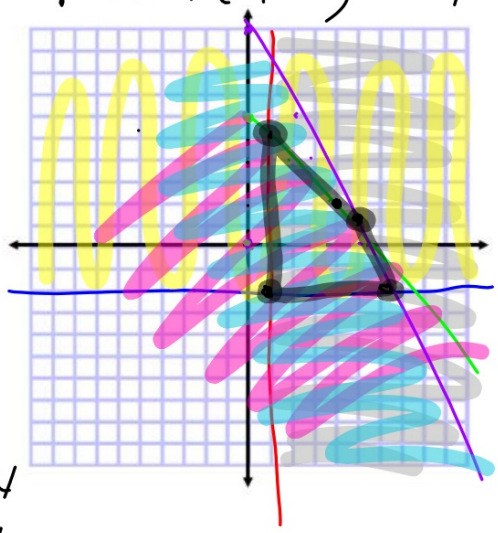
$\rightarrow (6,-2)$ $12 + -6 = 6$

$\rightarrow (4,2)$ $8 + 6 = 14$

$\rightarrow (1,5)$ $2 + 15 = 17$

$\max f(1,5) = 17$

$\min f(1,-2) = -4$



(51)

$m + t \leq 28$

max miles

miles $t$ + miles $m$ = max

$t = 22\frac{mi}{gal}$ 25 gal

$m = 42\frac{mi}{gal}$ 6 gal

$t \leq 25$

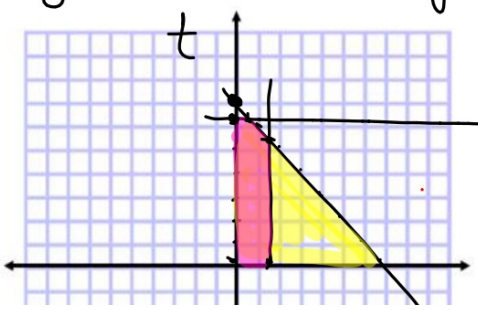
$m \leq 6$

$f(m,t) = 42m + 22t$

$m + t \leq 28$

$42m + 22t$

motor 6 gal truck 22 gal




$(2,25) = 84 + 550 = 634$

$(0,0) = 0$

$(6,0) = 252 + 0 = 252$

$*(6,22) = 252 + 484 = 736$

$(0,25) = 0 + 550 = 550$

(9) Ch. 1 p. 58 at least one (e00)

(8) Ch. 2 p. 120 " "

each section