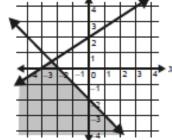
## Unit 1 EOC Review Session #1- ANSWERS

No, Clive will have \$270.  $900 - 35x \ge 300$ Pg. 64 #1 Pg. 64 #2 # of minutes = 47; constraints  $x \ge 0$  and  $x \ge -2$ Pg. 64 #3 3 books;  $7.99 + 12.99x \le 50$  $y = \frac{28x + 16}{2}$ Pg. 57 # 10  $y = \frac{9}{10}$  $C = \frac{5(F-32)}{9}$ n = -22Pg. 57 #31 Pg. 65 #26 Pg. 65 # 28  $x \ge \frac{-5}{3}$ Pg. 65 #34 n = 9"Intersecting" Intersection point: (3, -1) Pg. 156 # 19 children = 50Pg. 164 # 4 adults = 122 Pg. 164 #5 dozens of eggs = 9bags of grain = 45Pg. 164 # 6 Lauren did not perform her chores 3 times. Pg. 6 #26 В Pg.168 #1 1.



## WORKED OUT:

-Pq.64 #1-3 1 Chive starting amount = \$900 ending amount 2 300 takes out \$35 aweek (only for 18 weeks) inequality > 1900-35x 2300 where x ≤ 18 stre = 900 -35x 2300 -900 L -900 Colvide by a -35x 2-600 -35 -35 4 18 18 1900 negative so flip the sign! = 220 x≤ 17.43... No The Clive will Freach his goal. He will have \$270. -====76 X= #of mins 69 + 12+ x 2 equationconstraints: X Z-2 69+12+x -69 = 76 b/c mything less than -2 will make the square nort(-) A2+x = Also a you can't have negative 2+x = 49 minutes so x20 X=47 mins answer .

Pg. 64 #3 7.99 + 12.99x < 50 3 I time shipping per park Brett an buy 3 7.99 +12.99x =50 -7.99 books for a total -7.99 of \$ 46.96  $\frac{12,99 \times \leq 42.01}{12.99}$ x ≤ 3.239 ...  $p_{g}.57 \# 10, 31$ (0.)  $7x + 4 = \frac{9y}{4}$ solve for y 10.) 1) Multiply by 4, 4(7x+4) =94 2) stretter by 9. or y= 28x +16  $\frac{4(7x+4)}{9} = y$ (31) F= = = C+32 for C. 1) subtract 32 F-32 = 45C 2) Multiply by recipical (5/1)  $C = \frac{5F - 160}{9}$ 5(F-32) = C Or

Ag. 65 # 26, 28, 34  $x_{1}) \frac{5(n+4)}{3} = n-8$ D. multiply by 3 5(n+4) = 3(n-8) 2) Distribuse 5n+20 = 3n-24 combine x: "Iselve for "x" 21 +20 = -24 -20 -20 11=-22 2n = - 44  $28) 2(3x-1) \ge 3x-7$ 0 distribute 6x - 2 3 3x - 7 2) contre xi -3x -3x 2) combre " zi 3) Isulate "x" -5/3 4) some for X XZ 34) 13n +9 -4 =2 1) Ischek (x) -3n+9 = 6 under ? with 3+49 =6 3n+9=36 -9 30 = 27 n=9 . h

Pg. 156 #19  $-2x = y - 5 \rightarrow x - 5 = 2y \rightarrow 0$ y= (-2x+5) X-5=24 Substituten Method: y = -2(3) +5 x-5=2(-2x+5) 4=-6+5 X - 5 = -4x + 10+5 +5 4=-1) |X = -4x + 15+4x +4x (3,-1) 5x = 15x=3 Intersecting pg. 164 # 4 172 tickets sold \$ 8,00 = ddults Income \$ 476 \$ 4.00 = children K+A=172 #of kids + #of edults = # of total lidets 4x + 8A = 1176 cost perkid + costpor adult = total income Tequations T Substitution Method: 4(-A+172)+BA =1176 there k=-A+172 -4A + 688 + BA = 1176 4A = 488 A= 122 tickets

Pg. 164 #5 G 1 de 200 1 bry = 5.00 "2e +5g = 243 Sylistiation Mithead 2 equations. 2e +5(5e)=243 9=5e 2e + 25e = 243 g= 9.5 = (45 bags of given) 270 =243 e=9 I display = - 20 mins (6) I chore = 15 mins Substitutes methods c = 5dequations 15(5d)-20d=165 15c - 20d = 165 75d - 20d = 165 55d =165 she has not done har chores d=3 3 times pg. 6 #26 line 1 - (-14,0) (0,8) = 4 stope 20 (y= 47x+8) shaded = above 30 yZ line 2= (0,13) (13,0) -13 = -1 slope (y=-x+13) shaded = below so y = looking at momen choices with these equations Answer = B 2 en 168 #1 -4x-4y 28 +4x +4x shary -442 4x+8 < == x + ; y < -x