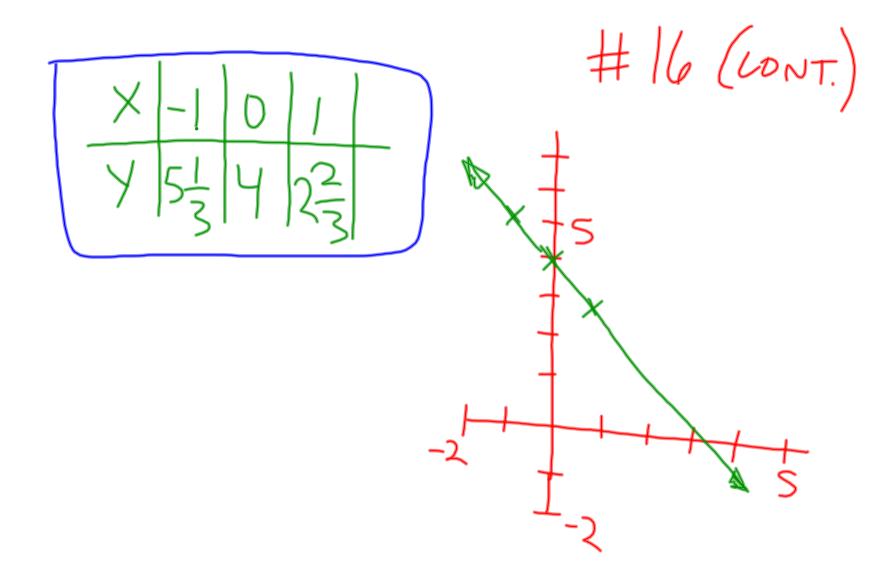
Homework review (4.2):

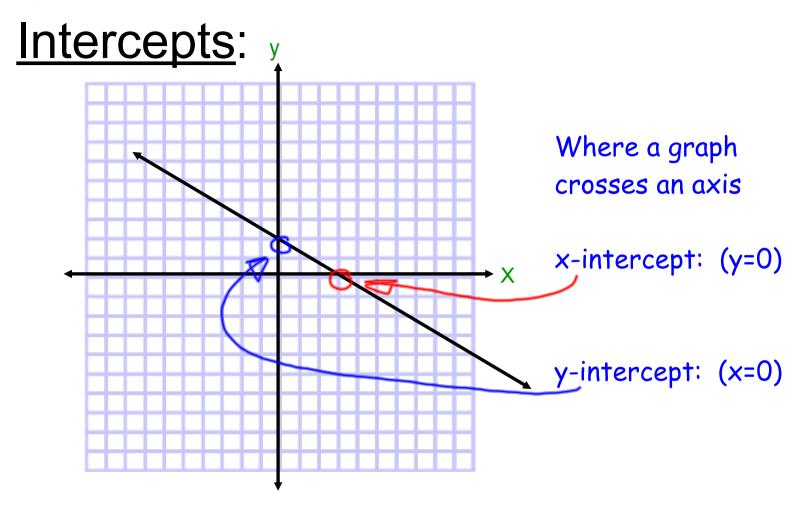
Page 219 (4,8,12,16,26,36,38)
4
$$3\times - 2\times = -5$$
 (-1,0)
 $3(-1)-2(1)=-5$
 $-3-2=-5$
 $5=-5$ (solution!

#16
$$39 + 4x = 12$$
 $39 = 12 - 4x$
 $1 = 12 -$



26)
$$y=3x-2$$
 $x \ge 0$
 $x \mid 0 \mid 1 \mid 2 \mid 1$
 $y=3(1)-2$ $y=3(2)-2$
 $y=3-2$ $y=6-2$
 $y=1$ $y=4$
 $y=3+1$ $y=4$

#36
$$d \max = 200 \text{mi} \frac{3}{3} \text{y} (RANGE)$$
 $E \min = 0 \text{hr} \frac{3}{3} \text{x} (Domain)$
 $d = 200 - 500 \text{t}$
 $d = 200 - 50(1.5)$
 $d = 200 - 75$
 $d = 125$



Finding Intercepts:

$$2x + 3y = 18$$

$$2x + 3(0) = 18$$

$$2x + 0 = 18$$

$$2x + 0 = 18$$

$$2x = 18$$

$$2x = 18$$

$$2x = 9$$

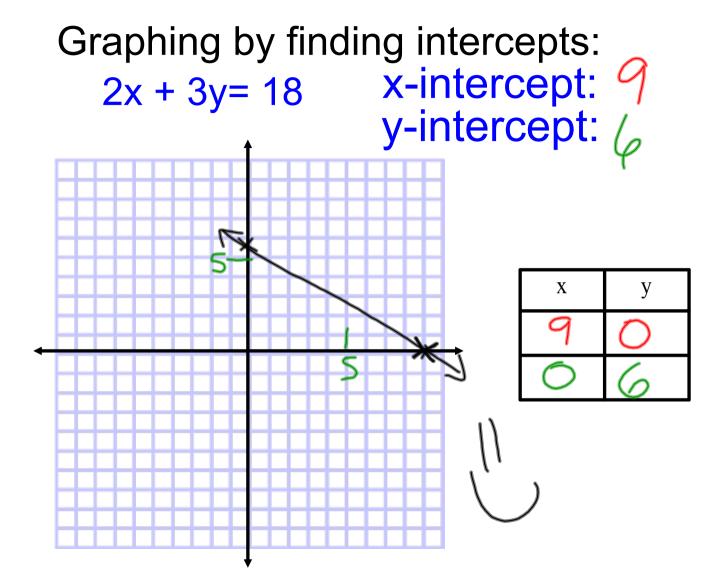
$$2(0) + 3y = 18$$

$$3(0) + 3y = 18$$

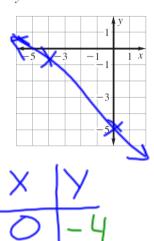
x-intercept:
$$y = 0$$
 $\begin{pmatrix} 0 \\ 0 \end{pmatrix}$

y-intercept:
$$x = 0$$

$$\begin{pmatrix} 0 & 6 \\ 0 & 6 \end{pmatrix}$$

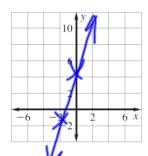


13. y = -x - 4



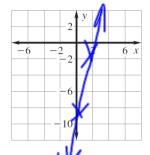
Y=-0-4 Y=-4

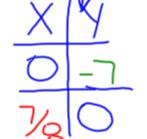
14. y = 6 + 3x



- X Y 0 6 0
- Y=6+3(0) Y=6

15. y = 8x - 7





$$\frac{7}{8} = \times$$

Home and Garden Show Admission to a home and garden show costs \$7 per person during the week and \$9 per person on the weekend. During one week of the show, a total of \$142,506 was paid in admissions. This situation can be represented by the equation 7x + 9y = 142,506 where x is the number of tickets sold during the week and y is the number of tickets sold on the weekend.

- **a.** Find the intercepts of the graph of the equation. Graph the equation.
- **b.** Give three possibilities for the number of each kind of ticket that could have been sold for the week.



7(0)+9y=142506 9y=142506 Y=15834 7x+9(0)=142506 7x=142506x=20358

3 POSSIBLE VALUES:

20,358 AND Ø

3rd VALUE, START WITH 7,500 AND 10,000 (= 142500), THE N MOVE X & Y VALUES BY 1 ENDS UP AT (X=7497) AND Y=10003. Homework p. 229: 2, 3, 6-24 (every 3rd), 32, 34, 45, 46