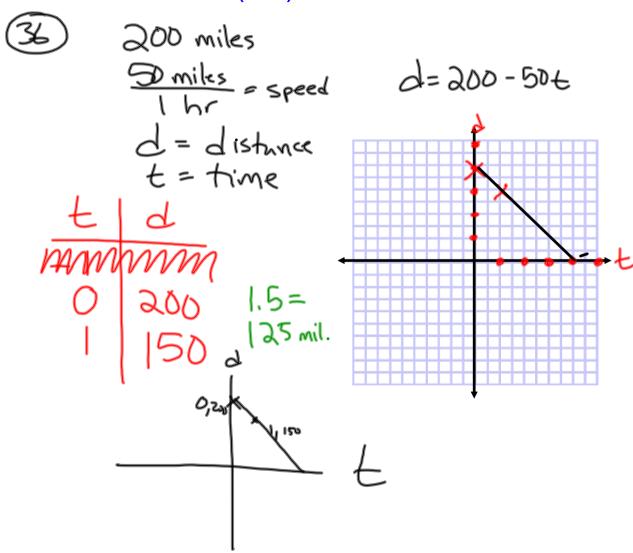
Homework review (4.2):

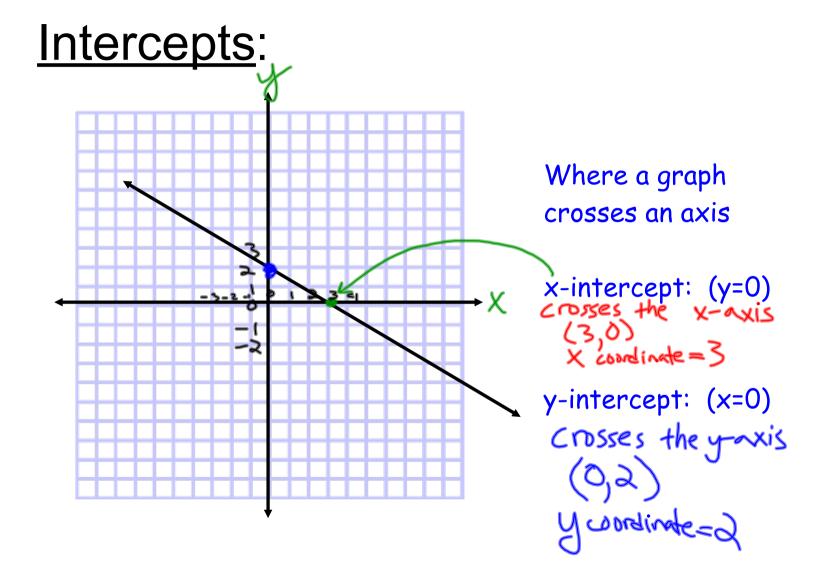


$$\frac{3y+4x=12}{3y=-4x+12} = \frac{-4x+12}{3} + \frac{12}{3}$$

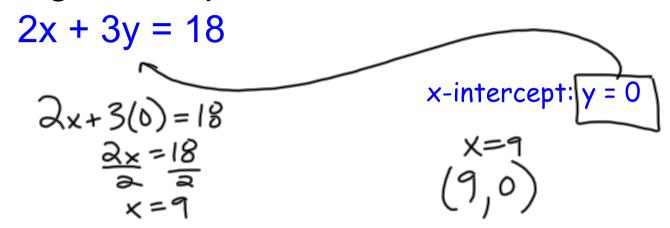
$$y = -\frac{4}{3}x+4$$

$$x = \frac{4}{3}x+4$$

$$x = \frac{4}{3}x+$$



Finding Intercepts:



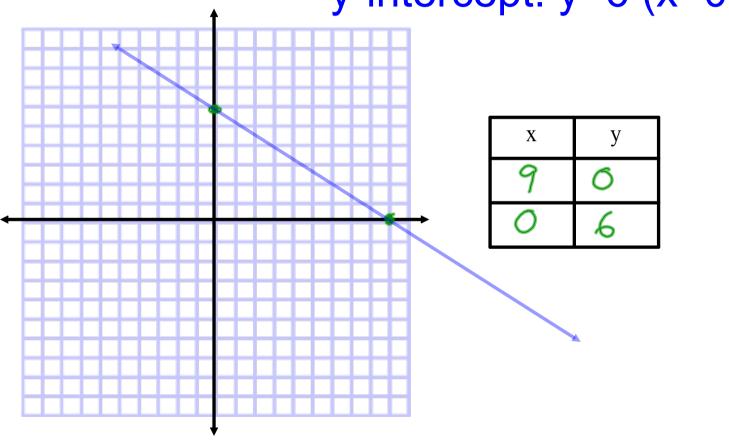
$$2(0)+3y=18$$

 $3y=\frac{18}{3}$
 $y=6$
 $y=6$
 $(0,6)$

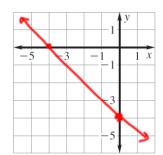
Graphing by finding intercepts:

2x + 3y = 18 x-intercept: x = 9 (y = 0)

y-intercept: y=6 (x=0)



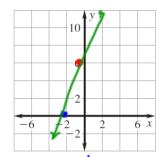
13.
$$y = -x - 4$$



$$y = -(6) - 4$$

 $y = -(6) - 4$
 $y = 4$
 $x - ixt : y = 0$
 $-1(0) = (-x - 4) - 1$
 $0 = x + 4$
 $-4 = x$

14.
$$y = 6 + 3x$$



$$Q = 0 + 3x$$

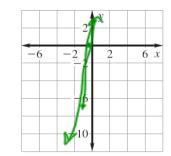
$$-6 = 3x$$

$$X = -3 (-30)$$

$$A = (-30)$$

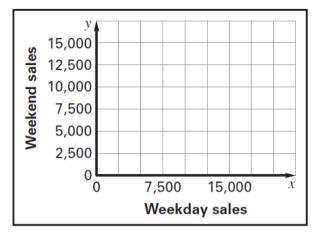
$$A = \emptyset \quad (0, e)$$

15.
$$y = 8x - 7$$



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.



Homework p. 229: 2, 3, 6-24 (every 3rd), 32, 34, 45, 46