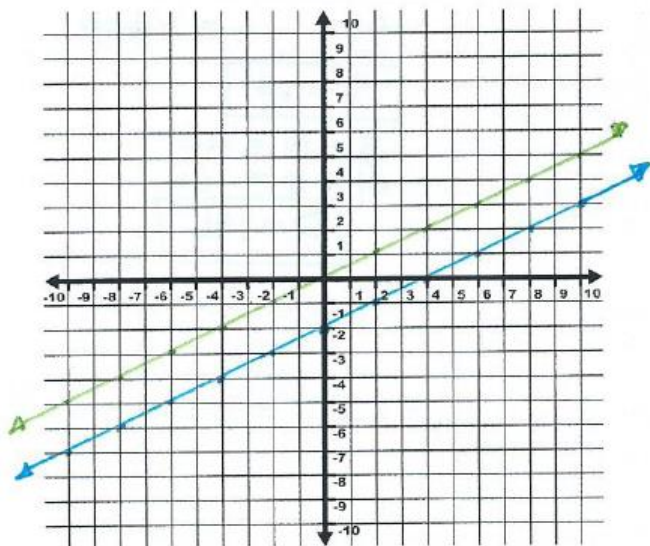


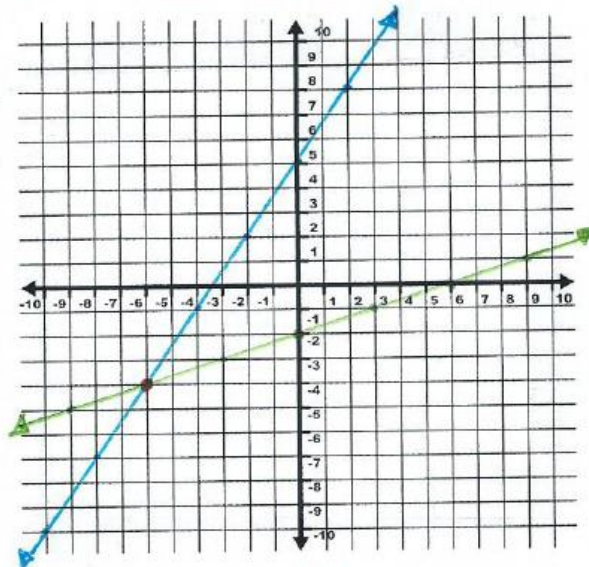
Solve each System by Graphing.

1.)  $2x - 8 = 4y$  →  $y = \frac{1}{2}x - 2$   
 $2y = x$  →  $y = \frac{1}{2}x$



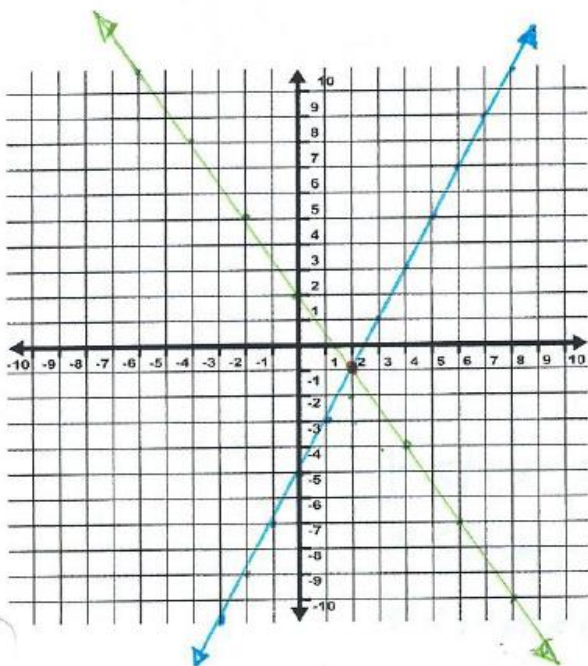
Solution: NO SOLUTION

2.)  $2y - 3x = 10$  →  $y = \frac{3}{2}x + 5$   
 $x - 3y - 6 = 0$  →  $y = -\frac{1}{3}x - 2$



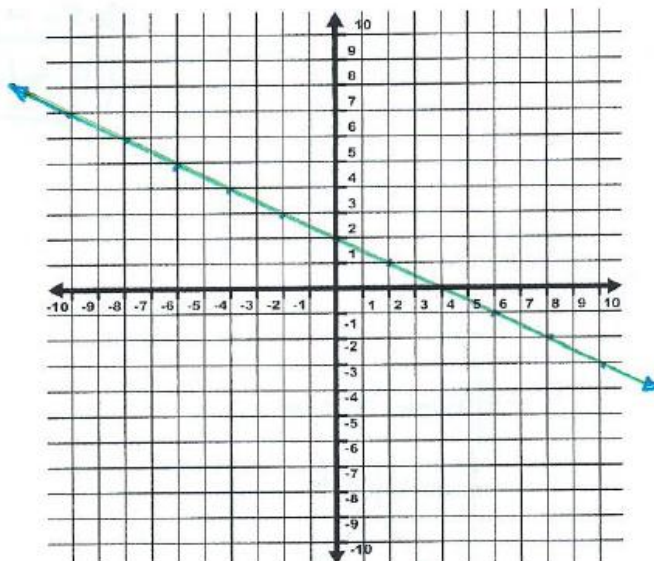
Solution: (-6, -4)

3.)  $y = 2x - 5$   
 $3x + 2y = 4$  →  $y = -\frac{3}{2}x + 2$



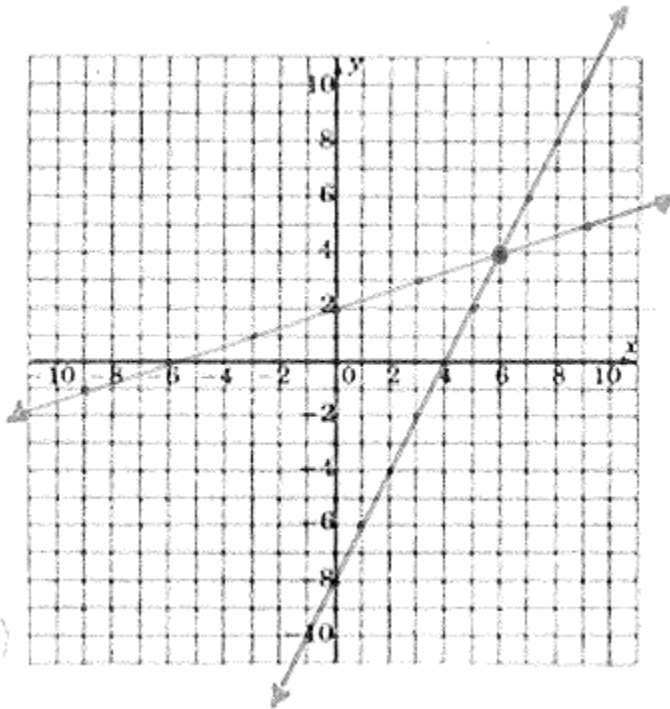
Solution: (2, -1)

4.)  $x + 2y = 4$  →  $y = -\frac{1}{2}x + 2$   
 $2x + 4y = 8$  →  $y = -\frac{1}{2}x + 2$



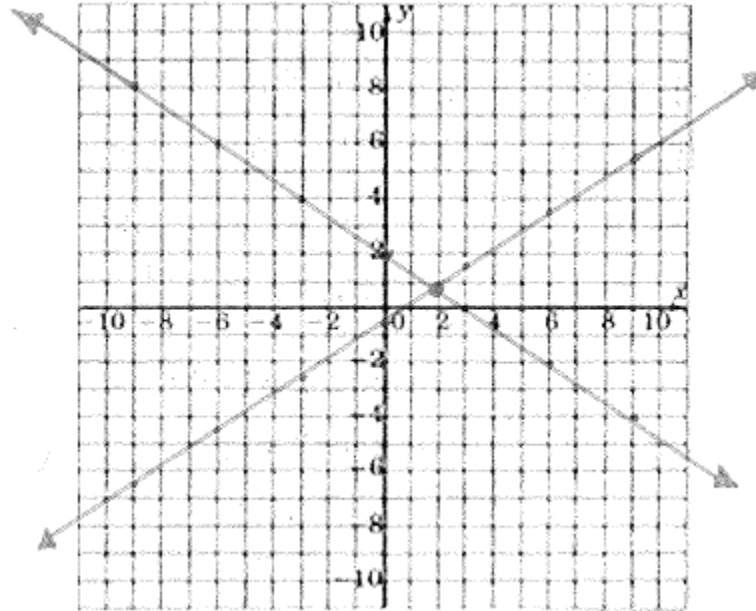
Solution: INFINITELY MANY SOLUTIONS

5.)  $-x + 3y = 6 \rightarrow y = \frac{1}{3}x + 2$   
 $2x - y = 8 \rightarrow y = 2x - 8$



Solution:  $(6, 4)$

6.)  $2x + 3y = 6 \rightarrow y = -\frac{2}{3}x + 2$   
 $4x = 6y + 3 \rightarrow y = \frac{2}{3}x - \frac{1}{2}$



Solution:  $(1.875, 0.75)$

Review.

7.) To rent a power saw from Home Depot they charge a flat fee of \$25 and \$3.50 per hour. Let  $h$  represent the number of hours rented and  $C$  represent the total cost of the power saw rental.

- a. Write an equation to represent the relationship between the number of hours the saw was rented and the total cost of the rental.

$$C = 3.50h + 25$$

- b. According to your equation, how much would it cost to rent the saw for 24 hours?

$$C = 3.50(24) + 25$$

$$C = 84 + 25$$

$$C = 109$$

- c. According to your equation, if a person paid \$63.50 for the rental, how long did they rent the saw for?

$$63.50 = 3.50h + 25$$

$$38.50 = 3.50h$$

$$11 = h$$