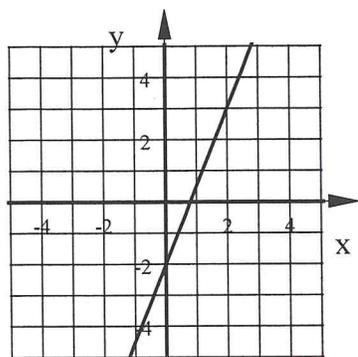


6. Write the equation of each line in Point-Slope Form:

- a) The line has a slope of -3 and passes through the point $(8, -4)$
- b) The line passes through the points $(-1, 6)$ and $(-4, 7)$
- c) The line in the graph



7. Find the x and y intercepts of each line:

- a) $12x - 6y = 36$
- b) $-13x + 7y = -8$

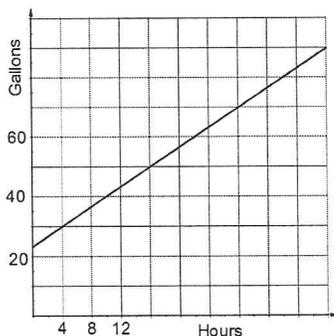
8. State the slope and the point that was used to write this equation: $y + 8 = 2(x - 7)$

9. Find the rate of change for each. Give the answer as an integer or a decimal (rounded to the nearest hundredth as needed) and include units.

a. Use the table below

Boxes	Pounds
3	37.25
5	54.75
9	89.75
14	133.5

b. Use the graph below.



10. Graph each equation.

- a) $y = 3x - 5$
- b) $y = -\frac{3}{5}x$
- c) $x = 6$
- d) $16x - 24y = 48$
- e) $y = -5$
- f) $y + 1 = -4(x - 2)$
- g) $y + 3 = 5(x - 4)$
- h) $8x + 6y = 18$

11. On your shelf there are 10 books. You plan to buy and read 3 books a month.

- a) Write an equation to model this situation. Define your variables.
- b) How many books will you have in 9 months?
- c) How many months will it take until you have 49 books?

12. At the store Baseball Cards cost \$2.25 a pack and Hockey Cards cost \$1.50 a pack. You spent \$78.

- a) Write an equation to model this situation. Define your variables.
- b) How many packs of Hockey cards did you buy if you also bought 12 packs of baseball cards?

