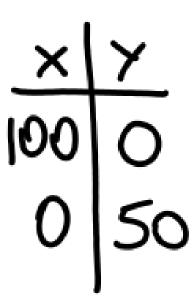
Chapter 9-1 to 9-3 Review Part 2

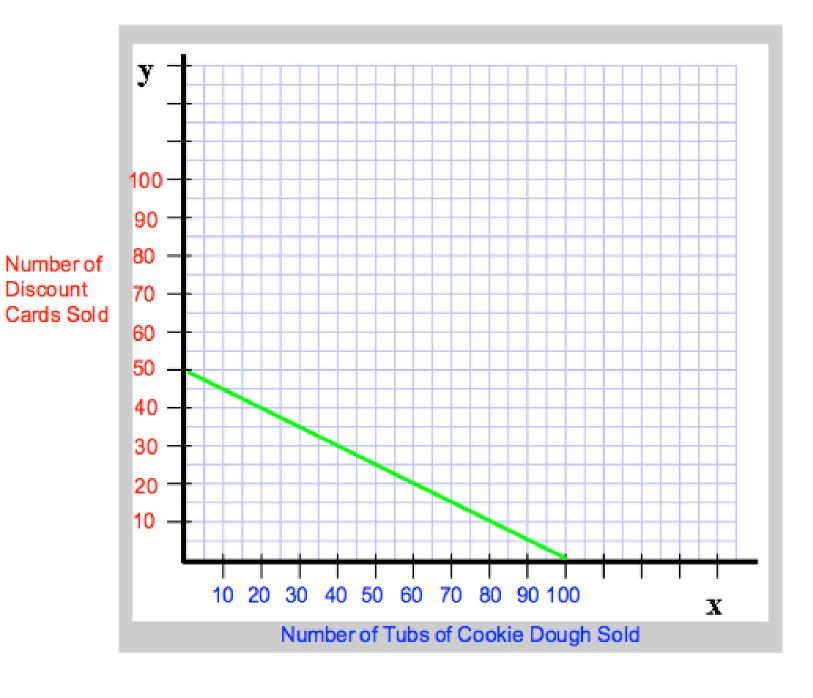
Write an equation/function to model this situation. Define your variables, find the intercepts, graph using the intercepts, and determine the possible solutions.

9) For a school fundraiser, you are selling tubs of cookie dough and discount cards. You earn \$5 for each tub of cookie dough you sell and \$10 for each discount card you sell. You want to raise \$500.

x-variable = number of tubs of cookie dough sold y-variable = number of discount cards sold

Equation: 5x + 10y = 500

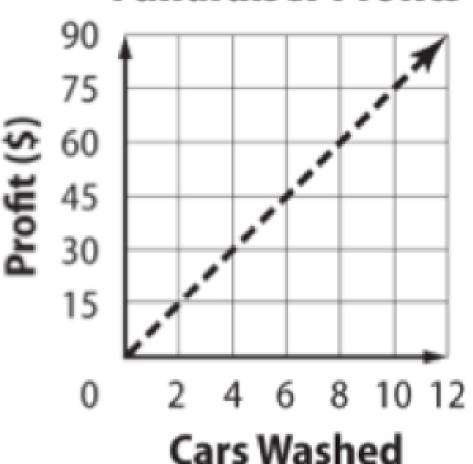




Possible Solutions Cookie Dough Discount Cards

Find the constant rate of change.

Fundraiser Profits



11. Find the constant rate of change.

Time (seconds)	Distance (yards)
X	¥
1.2	6
2.4	8
3.6	10
4.8	12

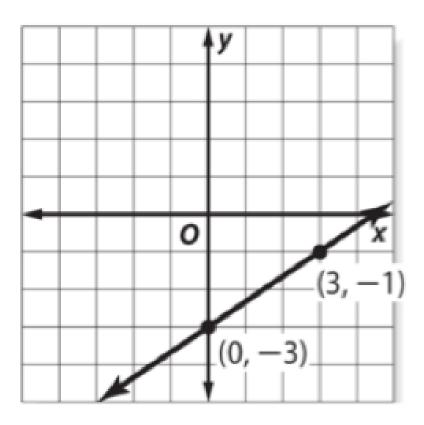
12. Find the slope of the line that passes through these points.

$$m = -\frac{3}{3}$$

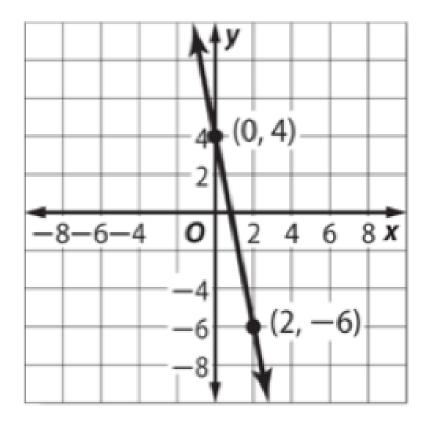
$$m = \frac{-3++5}{-2++2} = \frac{2}{0}$$

undefined

13. Find the slope of the line.



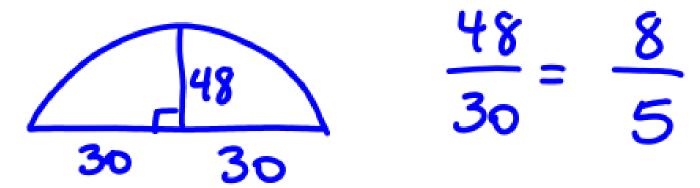
$$m = \frac{3}{3}$$



$$m = \frac{-10}{a} = -5$$

Applying Slope.

14. A termite mound found in 2005 measured 60 inches wide at the base and 48 inches high. What was the slope of the termite mound?



15. A wheel chair ramp rises 30 inches over its 30 foot length. What is the slope of the ramp expressed as a percent?

rise
$$\frac{30}{19\times30} = \frac{30}{360} = \frac{3}{36} = \frac{1}{12} = 8.3\%$$