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AFM: Linear Application Practice

Tim earns \$7 an hour working at McDonald's. He also was given a signing bonus when he started of \$25. Write an equation that represents Tim's salary at McDonald's

4-1X+2S

The table below represents the cost of renting a movie for x amount of days. Write an equation that represents the cost of renting a movie

Cost to Rent (y)	Days Rented (x)
12	0
15	-
18	2
21	ω
24	4

U-3x+12

b) What is the slope? What does it represent in the context of this problem?

3 / Law The COST TO VENT A MOVE INCREASES by

3. Some scientists believe that the average surface temperature of the world has been rising

steadily. The average surface temperature is given by

where T is temperature in degrees Celsius and t is the time in years since 1990

a. Find the slope. What does it represent?

0.02 ° Gyr The average surface temp increases what does the 7.50 represents 1.02 of per year since 1990.

- The surface temp in 1990 was 7.5°C
- A pool is being drained such that the amount of water (in gallons) at any given time (in min) can be
- a. What is the slope and what does the slope mean in terms of this application?

 -400 ga/min Amount of weter in pool is decreasing

 b. What is the y-intercept and what does it represent in this application?

 There are 20,000 ga/fons in the pool at time
- c. What is the x-intercept and what does it represent in this application?

0=20000-400X

After somin there is no weter in (-SO MIS

- A small business buys a computer for \$4000. After 4 years the value of the computer is time t, then a linear equation is used to relate V and t. the value of the computer at a given time. This means that if V is the value of the computer at

b. Find the depreciated value of the computer 3 years from the date of purchase.

8//50

A candy store owner finds that if she produces x lollipops in a month her production cost is given

by the equation y=0.4x + 1200 (where y is measured in dollars).

a. What does the slope mean in terms of this application? Production cost [Increases by 10.40 for every 1011, pap production]

b. What does the y-intercept of the graph represent in terms of this application?

1/200 is production (05-11) produce

0 10 11 30 35.

7. The monthly cost of driving a car depends on the number of miles driven. Lynn found that in May her driving cost was \$380 for driving 480 miles and in June her cost was \$460 for 800 miles

b. Use part (a) to predict the cost of driving 1500 miles per month

c. What is the slope and what does the slope of the line represent?

What does the y-intercept of the graph represent

Cost to drive Omilas is \$260.