



State the:

Domain: \( \subseteq \times \) Range: ly ly = y = 8, y = 13

Function Nonfunction:

Rate of change= rise by

Equation

2) Given y = 3x + 12 find the x and y intercepts

$$y = 3x + 10$$

$$0 = 3x + 12$$

$$0+2z = 3x + 12-12$$

$$-\frac{12}{3} = \frac{3x}{3}$$

$$-4-x$$

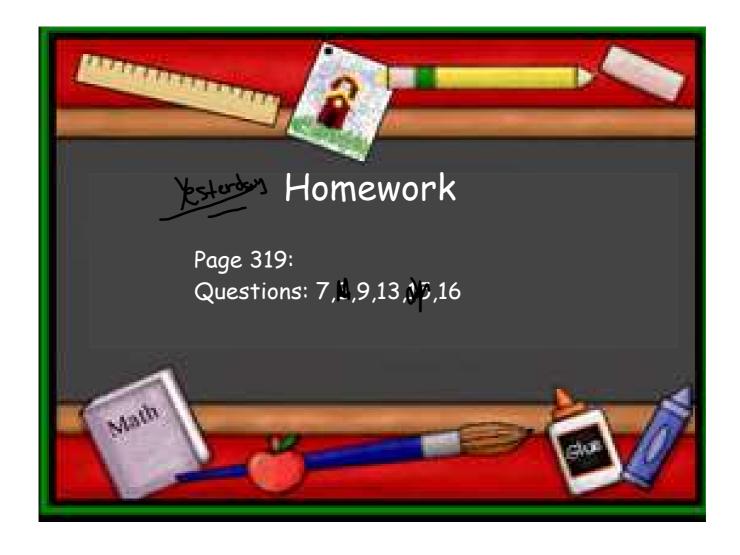
$$(-4.0)$$

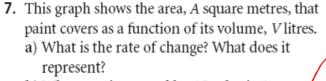
y intercept let 
$$x=0$$

$$y = 3x + 10$$

$$3(0) + 10$$

$$y = 3 + 10$$







b) What area is covered by 6 L of paint?

c) What volume of paint would cover 45 m<sup>2</sup>? 5

would cover 45 m<sup>2</sup>?5 Aluay their Volume (L)

+ 18 m<sup>2</sup> = 9 m<sup>2</sup>/L

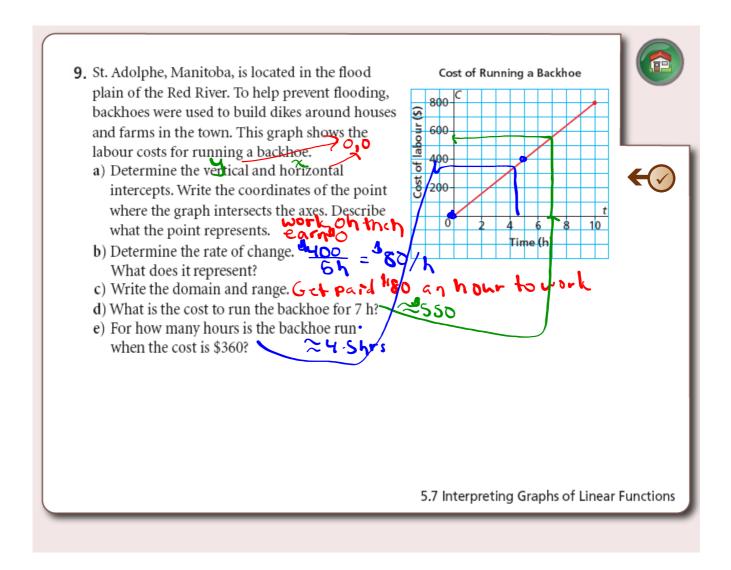


rak Dy = 1.

That

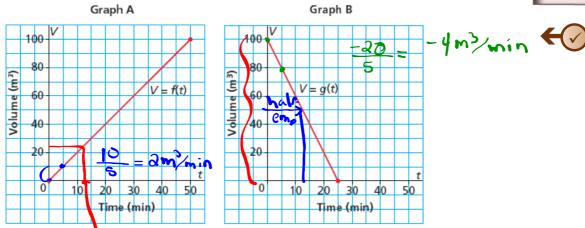
5.7 Interpreting Graphs of Linear Functions

f(V)



**13.** The capacity of each of 2 fuel storage tanks is 100 m<sup>3</sup>. Graph A represents the volume of fuel in one tank as a function of time as the tank is filled. Graph B represents the volume of fuel in another tank as a function of time as the tank is emptied.





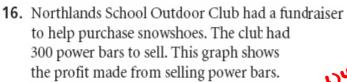
a) Does it take longer to fill the empty tank or empty the full tank? How do you know?

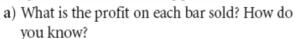
b) In the time it takes for one tank to be half empty, about how much fuel would be in a tank that was being filled from empty?

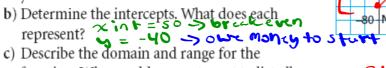
12 min to be half empty

15 about 25 m3

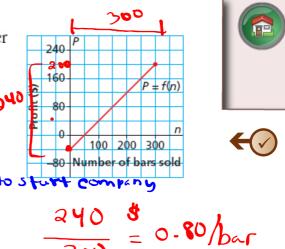
5.7 Interpreting Graphs of Linear Functions







function. Why would you not want to list all the values in the range?



5.7 Interpreting Graphs of Linear Functions

Study for CHAPTER 5 TEST

Page 326-329
Questions:

1,3,5,6,8.10,11,13,16,18, don't graph

## 13 Multiple choice

- \* Given sets or ordered pairs determine which are function and non-functions.
- \* Given Table of Values, which is the independent variable or dependent variable. Which table of values represents a linear equation.
- \*Read info off graph. What does a certain segment mean?
- \*Function or Non-function and Domain/Range when given a picture of a graph. Where is the x and y- intercepts?
- \*Given ordered pairs or word problem, find the rate of change

## 5 Short Response

- 1) Given 3 functions (Evaluate or solve)
- 2) Same as Nov. 21 Warm up on Table of values and rate of change (PROVE)
- 3) Given a linear graph find the rate of change and x,y intercepts
- 4) Given an equation a) Write the function notation, b) Evaluate when given an x value c) Solve when given a C(x) value
- 5) Given 2 equation solve for x(LET y=0 and solve) and y intercepts (Let x=0 and solve)