

Math 10: unit 4.2 Rate of Change

-remember the quadrants:

A) What is 'rate of change'?

-ratios that compare different units. Ex: km/hr;, 4/hr; km/L

-the slope of a line describes a constant or average rate of change

B) How to show it?

$m =$

C) How to do it?

Ex: Jesse earned \$250 in 8 hours. How much does he earn per hour?

Ex: Emily rents a car. The odometer initially reads 86,500 Km. After four days, it reads 87,321 km.

a) what is her average rate of travel per day?

b) if she used 65L of fuel, what is her rate of consumption of gas?

c) if gas is \$1.21/L, how much did she spend on gas?

-pg 215 #1-6, 14, 15

-next period: more practice on slope and rates of change...then quiz on slope and rates of change