

MPM1DI Unit 5 Lesson 7 Review

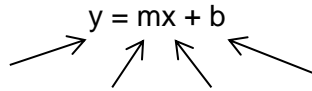
Warm Up:

A pizza place charges \$8.00 for a basic cheese pizza and then \$1.25 per topping.

a) Write an equation to represent this situation. Be sure to define your variables.

b) Determine how many toppings you could get for \$13.00.

GENERAL FORM OF A LINEAR EQUATION

$$y = mx + b$$


y-intercept	
Independent variable	
Fixed value	
Fixed cost	
Variabe cost	
Dependent variable	
Slope	
Rate of change	
Vertical intercept	
Constant multiple	
Initial value	
Constant of variation	

For the Test, I need to know how to:

- Identify if a relation is partial or direct based on words, equation, table of values or graph.
- Identify if a situation is linear given a table of values (by finding first differences and Δx).
- Interpret graphs of linear relations.
- Create a graph for a linear relation.
- Create an equation for a linear relation.
- Determine the slope from a graph, table of values or equation.
- Determine the initial/fixed value (y-intercept) from a graph, table of values or equation.
- Determine values in a linear relation using a graph, table of values or equation.
- Given one point and the slope, determine the location of another point on the line.
- Given one point on the line and the slope, graph the line.

Today's practice Questions:

Pages 288-289 #1-16, Page 290 # 1-10