You must complete this before retaking the MC again. Remember it is all about LEARNING so take your time and learn how to do these skills. If you need help please ask!

NAME:_____

Corrective Assignment 2.3 #1

Directions: Find the slope of the line through each pair of points and then tell if it rises, falls, is vertical or horizontal.

1) (2, 3) , (5, 9)

2) (1, 4), (3, -2)

3) (-2, 7), (-3, -1)

4) (5, 5), (-7, 5)

5) (-11, 0), (-11, -5)

6) (3, 4), (0, 0)

7) (-1, $\frac{1}{3}$), (3, $-\frac{2}{3}$)

8) ($-\frac{3}{5}$,-3), ($-\frac{3}{5}$, 0)

9) (-5, 2), (12, -14)

Directions: Tell whether the lines are parallel, perpendicular, or neither.

10) Line 1: through (3, 2) and (1, 5)
Line 2: through (-1, 6) and (2, 8)

11) Line 1: through (-2, 1) and (-5, 3)
Line 2: through (-4, 4) and (2, -1)

Directions: Find the average rate of change.

12) In two years AIG made $1.45 Billion and in 10 years they made $13.8 billion. What's the average rate of change in terms of dollars per year?

13) 2 hours into the day the Commissary had 200 dozen eggs and after 8 hours they had only 24 dozen eggs. What's the average rate of change in terms of how many eggs the commissary has per hour?

14) At the start of class Brust has 32 kids. 40 minutes into class Brust only has 18 kids. What's the average rate of change in terms of kids leaving Brust's class per minute?

15) Bean's family goes picking strawberries. In one hour they have picked 2 quarts of strawberries. In 5 hours they have picked 13 quarts of strawberries. What's the average rate of change of quarts per hour?

ANSWERS TO CORRECTIVE ASSIGNMENT:

Make sure you check all your answers and make sure you KNOW how to do all of them. You could simply copy answers but that's not the point. The point is that you have to learn how to do this so please make sure that for any you don't understand you get help BEFORE taking the Mastery Check again.

1) 2, rises   2) -3, falls   3) 8, rises   4) 0, horizontal   5) undefined, vertical   6) $\frac{4}{3}$

7) $-\frac{1}{4}$, falls   8) undefined, vertical   9) $-\frac{16}{17}$ 10) perpendicular   11) neither   12) $1.5435 billion per year

13) -29.3 dozen per hour   14) -0.35 kids per minute   15) 2.75 quarts per hour