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Slope

April 18

4. $A(\overset{x_1}{2}, \overset{y_1}{9})$

$B(\overset{x_2}{7}, \overset{y_2}{8})$

u

slope = m

$$m_{AB} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - 9}{7 - 5} = -\frac{1}{2}$$

8. $K(\overset{x_1}{2}, \overset{y_1}{5})$ $L(\overset{x_2}{0}, \overset{y_2}{8})$

$$m_{KL} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - 5}{0 - 2} = -\frac{3}{2}$$

* 6 $m(\overset{x_1}{9}, \overset{y_1}{3})$ $N(\overset{x_2}{0}, \overset{y_2}{1})$ u

- label the points
- write the formula
- fill in the parts
- calculate - NO DECIMALS

Done - talk to mc

$$m_{mn} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2}{-9}$$

$A(\overset{x_1}{-14}, \overset{y_1}{-5})$ $B(\overset{x_2}{15}, \overset{y_2}{16})$

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{21}{29}$$



$$A(-18, -17) \quad B(6, -1)$$

$x_1 \quad y_1 \quad x_2 \quad y_2$

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - (-17)}{6 - (-18)}$$

$$= \frac{-18}{24} = -\frac{3}{4}$$

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Homework : #5, 7, 9, 11, 13
finish Slope worksheet

