**Morgan MATH 1: Work Packet through Spring Break**

*Keep up on Google Classroom for daily schedule, videos/notes/resources, and places to submit homework if we are not in school.*

*Plans for 4/6 through 4/15 are only IF our leave is extended. This is not something that has been set yet but you have the work if it is. Packets due first day back at school!*

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, March 13th, 2020</td>
<td>TURN IN ANY MISSING WORK and DAILY OBJECTIVE FOR MARCH. THIS IS YOUR FINAL GRADE FOR QUARTER 3! Create Packets for leave and go through this schedule. Email Mrs. Morgan with any questions at <a href="mailto:tmorgan@laca.org">tmorgan@laca.org</a></td>
</tr>
<tr>
<td>Monday, March 16th, 2020</td>
<td>Watch video on Rise over Run and complete Rise over Run Notes/Your Turn</td>
</tr>
<tr>
<td>Tuesday, March 17th, 2020</td>
<td>NO SCHOOL- Professional Development Day</td>
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<tr>
<td>Wednesday, March 18th, 2020</td>
<td>NO SCHOOL- Professional Development Day</td>
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<tr>
<td>Thursday, March 19th, 2020</td>
<td>NO SCHOOL- Professional Development Day</td>
</tr>
<tr>
<td>Friday, March 20th, 2020</td>
<td>NO SCHOOL- Calamity Day</td>
</tr>
<tr>
<td>Monday, March 23rd, 2020</td>
<td>NO SCHOOL- Calamity Day</td>
</tr>
<tr>
<td>Tuesday, March 24th, 2020</td>
<td>REMOTE SCHOOL- Complete TWO Rise over Run worksheets</td>
</tr>
<tr>
<td>Wednesday, March 25th, 2020</td>
<td>REMOTE SCHOOL- Watch the video over Point Slope and complete Point Slope Notes/Your Turn</td>
</tr>
<tr>
<td>Thursday, March 26th, 2020</td>
<td>REMOTE SCHOOL- Work on Slope from Two Points Worksheet</td>
</tr>
<tr>
<td>Friday, March 27th, 2020</td>
<td>REMOTE SCHOOL- Finish worksheet from yesterday</td>
</tr>
<tr>
<td>March 28th - April 5th</td>
<td>SPRING BREAK!</td>
</tr>
<tr>
<td>Monday, April 6th, 2020</td>
<td>TBD- Start Two Points to determine slope worksheet</td>
</tr>
<tr>
<td>Tuesday, April 7th, 2020</td>
<td>TBD- Finish worksheet from yesterday</td>
</tr>
<tr>
<td>Wednesday, April 8th, 2020</td>
<td>TBD- Watch the video over Slope-Intercept Form and complete Notes sheet</td>
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<tr>
<td>Thursday, April 9th, 2020</td>
<td>TBD- Slope-Intercept Form Your Turn and working on identifying slope and y-intercept worksheet</td>
</tr>
<tr>
<td>Monday, April 13th, 2020</td>
<td>TBD- Watch the video over Graphing from Slope Intercept and continue worksheet from Thursday</td>
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<tr>
<td>Tuesday, April 14th, 2020</td>
<td>TBD- Begin Sketch Each line using the Equation Worksheet</td>
</tr>
<tr>
<td>Wednesday, April 15th, 2020</td>
<td>TBD- Finish Worksheet from yesterday</td>
</tr>
</tbody>
</table>
Linear Equations
(Determining Slope Given a graph)

You just learned that slope is the __________ of a line.

It is also the __________ of the __________

__________ to the ________

of the __________ __________

We can find the slope between any two points on a graph by using the slope formula:

Examples:

1.)

2.)
Linear Equations
(Determining Slope Given a Graph)

On a rating of 1-5, how comfortable are you with this concept?
(5 is the highest)
1 2 3 4 5

Your Turn

1.)

2.)

3.)

Reflection: I learned...
SLOPE OF A LINE #2

Instructions: The slope of a line measures the steepness of a graph. To calculate the slope, you must find the quotient of the rise and run of the line. The rise measures the vertical change, or change in y-coordinates, between the two points. The run measures the horizontal change, or change in x-coordinates, between the two points. Find the slope of each line below. You can express the slope as a simplified fraction, a whole number, or a decimal.

1) Rise __ Run __ Slope _____

2) Rise __ Run __ Slope _____

3) Rise __ Run __ Slope _____

4) Rise __ Run __ Slope _____

5) Rise __ Run __ Slope _____

6) Rise __ Run __ Slope _____

7) Rise __ Run __ Slope _____

8) Rise __ Run __ Slope _____

9) Rise __ Run __ Slope _____
Find the Slope

Calculate the rise and run to find the slope of each line.

1) [Graph of a line]
   Slope = _____

2) [Graph of a line]
   Slope = _____

3) [Graph of a line]
   Slope = _____

4) [Graph of a line]
   Slope = _____

5) [Graph of a line]
   Slope = _____

6) [Graph of a line]
   Slope = _____

7) [Graph of a line]
   Slope = _____

8) [Graph of a line]
   Slope = _____

9) [Graph of a line]
   Slope = _____
Linear Equations
(Determining Slope Given a Table or Two Points)

Two Points

Table

I can ______________________
________________________________________

Examples:

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

2.)

<table>
<thead>
<tr>
<th>x</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>-7</td>
<td>14</td>
</tr>
</tbody>
</table>
Linear Equations
(Determining Slope Given a Table or Two Points)

On a rating of 1-5, how comfortable are you with this concept?
(5 is the highest)

1) (3,6) and (2,-4)

2) (3,2) and (-5,2)

3) 

<table>
<thead>
<tr>
<th>x</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

Reflection: I learned...
Finding Slope From Two Points

Find the slope of the line through each pair of points.

1) (19, -16), (-7, -15)                     2) (1, -19), (-2, -7)

3) (-4, 7), (-6, -4)                       4) (20, 8), (9, 16)

5) (17, -13), (17, 8)                      6) (19, 3), (20, 3)

7) (3, 0), (-11, -15)                      8) (19, -2), (-11, 10)
9) (6, -10), (-15, 15)  
10) (12, -18), (-15, -18)  

11) (3, -20), (5, 8)  
12) (15, 8), (-17, 9)  

13) (-19, 12), (-9, 1)  
14) (12, 2), (-7, 5)  

15) (6, -12), (15, -3)  
16) (9, 3), (19, -17)
Linear Equations
(Slope-Intercept Form)

I can ____________________________

What is slope-intercept form?

In order to write an equation in slope-intercept form, you must...

Step 1: ____________________________

Step 2: ____________________________

Examples:

1.) \( x - 3y = 6 \)

2.) \( 9x - 7y = -7 \)
Linear Equations
(Slope-Intercept Form)

Your Turn

On a rating of 1-5, how comfortable are you with this concept?
(5 is the highest)

1 2 3 4 5

1.) $6x - 5y = 10$

2.) $11x - 8y = -48$

3.) $4x - 7y = -14$

Reflection: I learned...
Find the Slope and Y-intercept for Each Equation

1) \( y = \frac{2}{3}x + 1 \)  
   slope = ______  
   y-intercept = ______

2) \( y = \frac{8}{3}x - 5 \)  
   slope = ______  
   y-intercept = ______

3) \( y = 2x - 2 \)  
   slope = ______  
   y-intercept = ______

4) \( y = \frac{7}{3}x + 5 \)  
   slope = ______  
   y-intercept = ______

5) \( y = -x + 4 \)  
   slope = ______  
   y-intercept = ______

6) \( y = -2x + 2 \)  
   slope = ______  
   y-intercept = ______

7) \( y = \frac{1}{3}x - 4 \)  
   slope = ______  
   y-intercept = ______

8) \( y = -\frac{4}{3}x + 1 \)  
   slope = ______  
   y-intercept = ______

9) \( y = 3x + 2 \)  
   slope = ______  
   y-intercept = ______

10) \( y = -\frac{5}{2}x - 1 \)  
    slope = ______  
    y-intercept = ______