

BUTCHER TECH MATH B PERIOD 1 OFF-SITE LEARNING PACKET DAY 9

Name: _____ Period: _____

Chapter 16 Review

Pick Option 1 OR 2 to complete.

Option 1: Complete the attached Review worksheet on graphing.

Option 2: Find the slope of 5 objects in or around your house. Remember slope is rise over run. On your paper, include the object – draw a picture, the measurements, and the slope. If you're able, take a picture of your objects and email me at butcherna@mwood.cc. Don't forget to include your smiling face 😊

Complete the following review of Chapter 16 (graphing)

Use previous notes, packets, & videos for help.

Helpful videos:

Rearranging Equation: https://www.youtube.com/watch?v=SPZsJN_Wsdc

Finding slope with 2 points: <https://www.youtube.com/watch?v=pv1PR8yP1zM>

Slope-Intercept form: <https://www.youtube.com/watch?v=eSx-Uzbc68>
https://www.youtube.com/watch?v=u3spOO-m_Gg

Graphing Lines: <https://www.youtube.com/watch?v=F--060tUEk0>

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Write the equation of the line, in slope-intercept form.

1. $m = -3, b = 12$

1. _____

2. $m = 5, b = 9$

2. _____

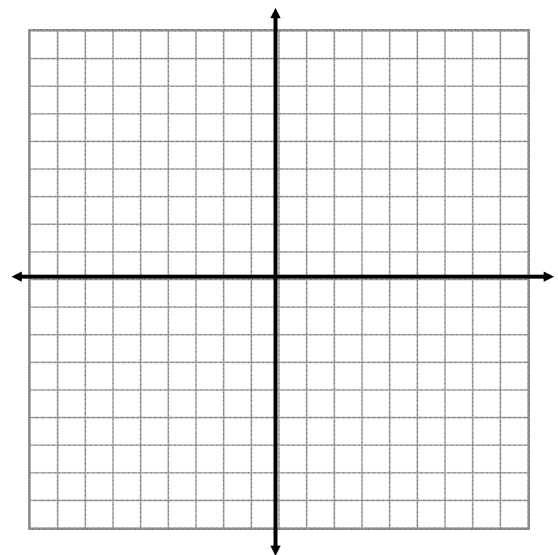
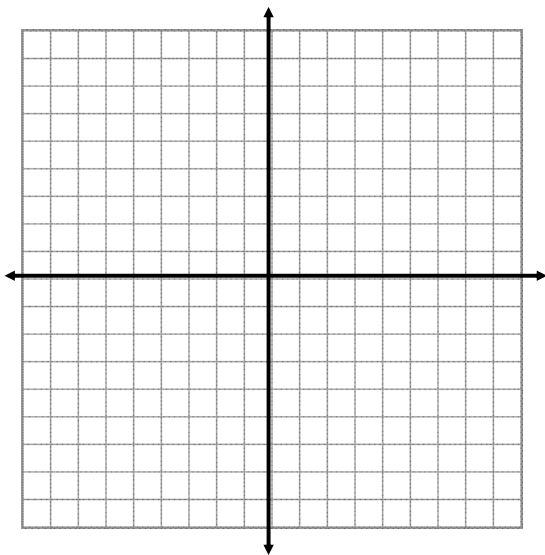
3. $m = -\frac{5}{3}, b = -10$

3. _____

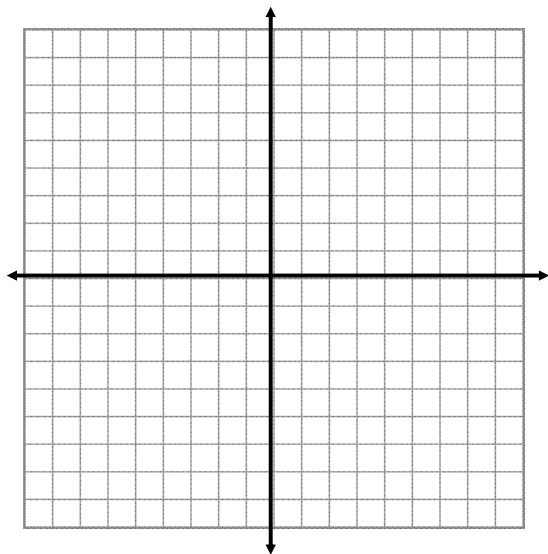
Graph the following linear equations with any method you choose.

4. $x + 3y = 5$

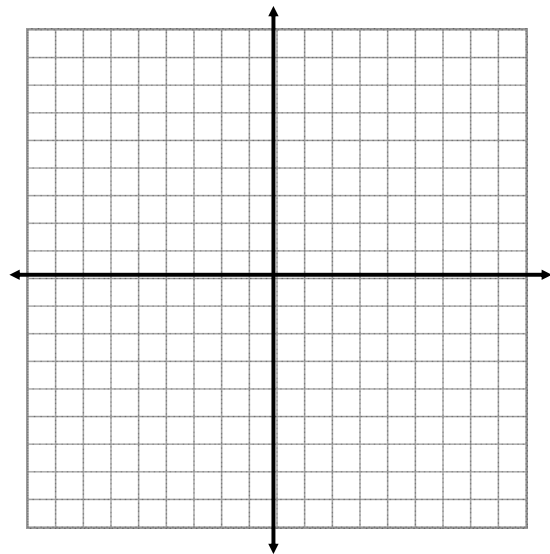
5. $-6x + y = 3$



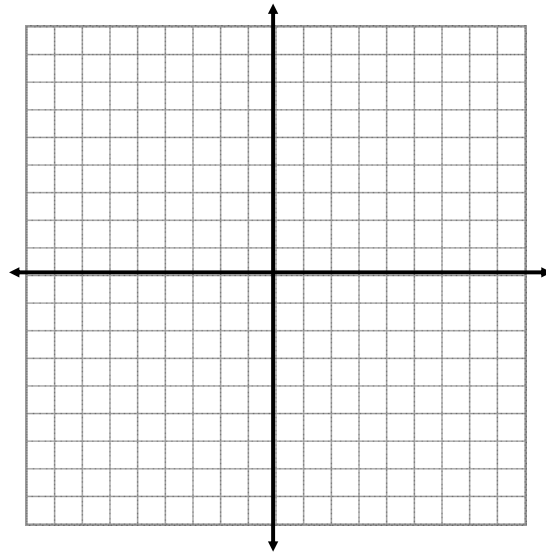
6. $7x + 5y - 25 = 0$



7. $-4x = 5y$



8. $(-9, 0), (-5, -5)$



Rearrange the following equations as $y = mx + b$. Then determine the slope and y-intercept.

9. $-3x - \frac{1}{3}y = 17$

10. $-6x - 5y = -32$