

## BUTCHER TECH MATH B PERIOD 3 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](mailto: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](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](https://www.youtube.com/watch?v=u3spOO-m_Gg)

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

# BUTCHER TECH MATH B PERIOD 3 OFF-SITE LEARNING PACKET DAY 9

Name: \_\_\_\_\_

Period: \_\_\_\_\_

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

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

1. \_\_\_\_\_

2.  $m = 5, b = 9$

2. \_\_\_\_\_

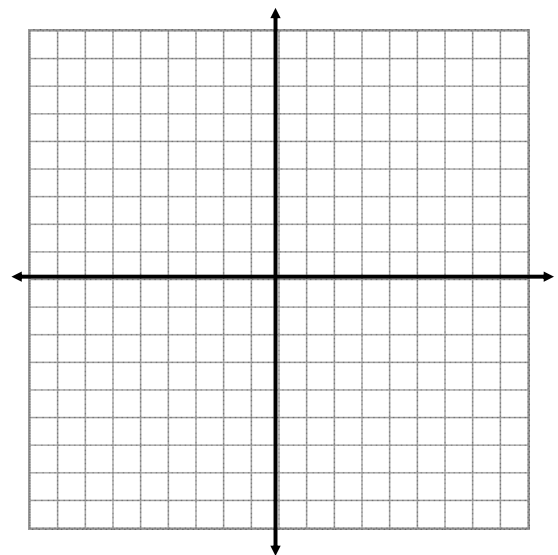
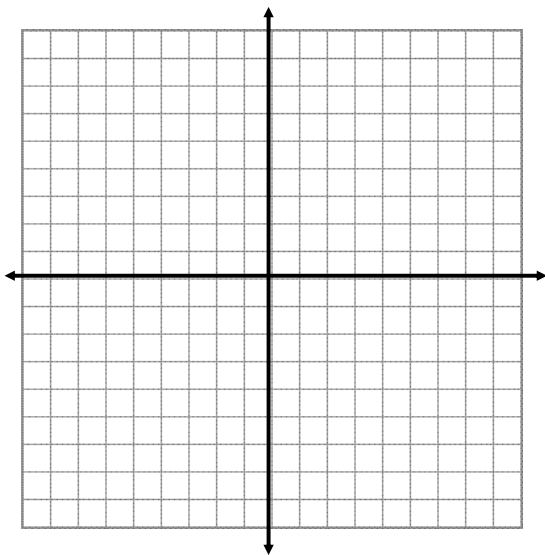
3.  $m = -\frac{5}{3}, b = -10$

3. \_\_\_\_\_

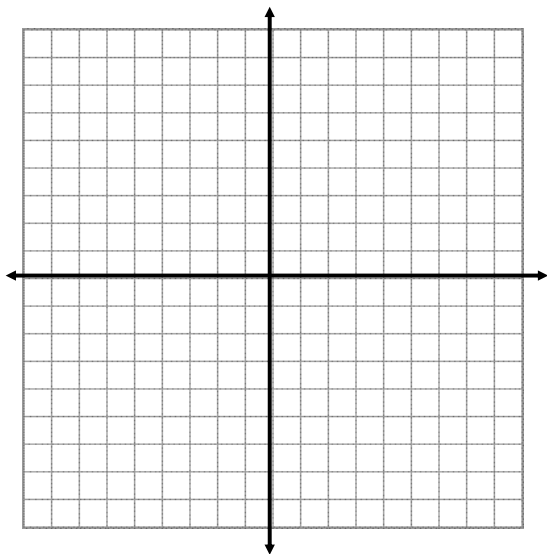
Graph the following linear equations with any method you choose.

4.  $x + 3y = 5$

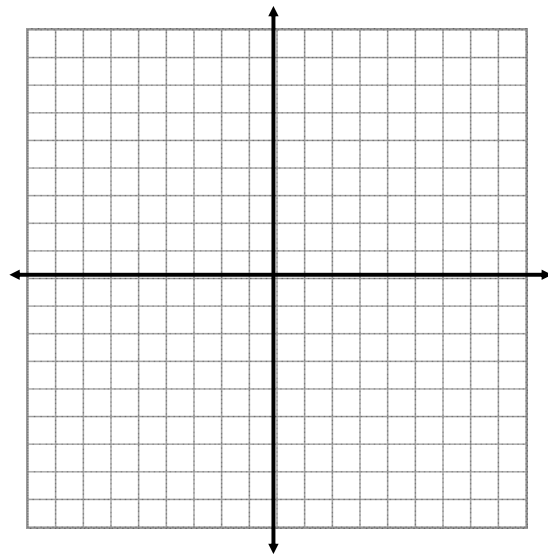
5.  $-6x + y = 3$



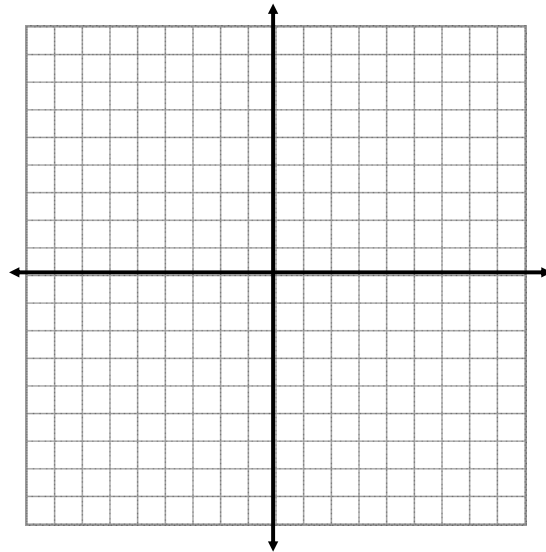
6.  $7x + 5y - 25 = 0$



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