

Algebra I

5.3 Worksheet #1

Name: _____

Date: _____ Hour: _____

Step 1. Find the slope.

Step 2. Solve for b.

Step 3. Write the slope-intercept equation.*

Step 4. Check your work.

Complete all steps. Show all of your work.

Box your slope-intercept equations.*

All fractions must be **improper fractions**.

Write the equation of the line (in slope-intercept form) that passes through the two points.

1. $(7, 9), (3, -2)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

3. $(4, 5), (-1, -2)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

2. $(-1, 0), (0, 3)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

4. $(3, 3), (-2, -6)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

5. $(0, -3), (6, -2)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

6. $(-1, -4), (-3, -5)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

7. $(2, 7), (3, 1)$

Step 1. $m =$

Step 2.

Step 3.

Step 4.

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

Step 1. $m =$

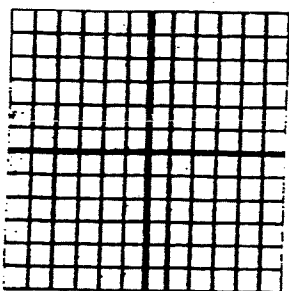
Step 2.

Step 3.

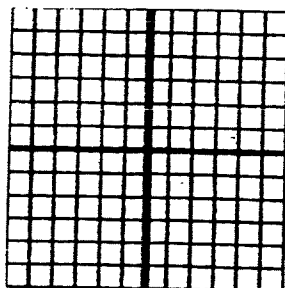
Step 4.

Graph each equation.

9. $y = -2x$



10. $y = 3x - 5$



11. $y = -\frac{1}{2}x - 1$

