

Name \_\_\_\_\_

Homework

#59

# Writing Equations Using Slope-Intercept Form

## Worksheet

Write an equation of a line with the given slope and y-intercept.

1. slope = 3 y-intercept = -7 equation = \_\_\_\_\_

2. slope = -1 y-intercept = 2 equation = \_\_\_\_\_

3. slope =  $\frac{1}{3}$  y-intercept = -5 equation = \_\_\_\_\_

4. slope = -2 y-intercept = 0 equation = \_\_\_\_\_

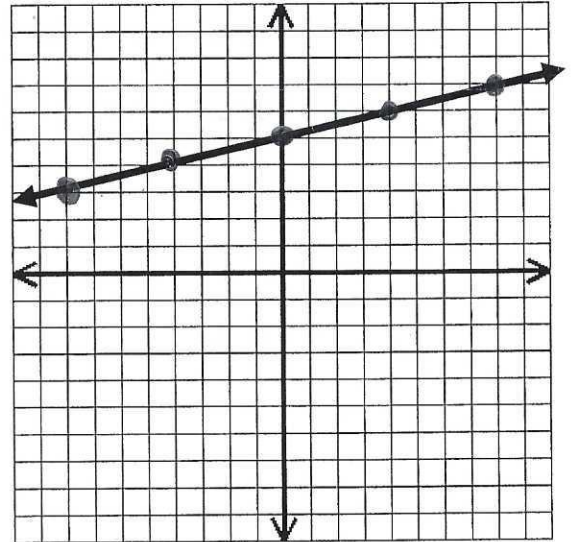
5. slope = 0 y-intercept = 9 equation = \_\_\_\_\_

6. Write an equation of a line given its graph.

**Step 1:** Calculate slope = \_\_\_\_\_

**Step 2:** Determine y-intercept = \_\_\_\_\_

**Step 3:** Write equation = \_\_\_\_\_

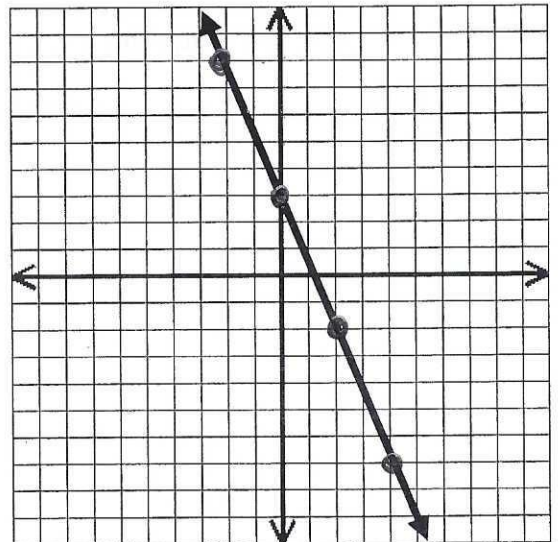


7. Write an equation of a line given its graph.

**Step 1:** Calculate slope = \_\_\_\_\_

**Step 2:** Determine y-intercept = \_\_\_\_\_

**Step 3:** Write equation = \_\_\_\_\_



8. Write an equation of a line that passes through the point  $(1, 6)$  and has slope of  $-3$ .

9. Write an equation of a line that passes through the point  $(-1, -3)$  and has slope of  $5$ .

10. Write the equation of a line given two points on the line  $(-1, -4)$  and  $(2, 5)$ .

11. Write the equation of a line given two points on the line  $(0, 4)$  and  $(4, 6)$ .