

# MasterMath

Name \_\_\_\_\_

Date \_\_\_\_\_

## More on Slope-Intercept Form

1. Find the equation in Slope-Intercept Form for a line that includes these points: (6, 4) and (0, 2).

2. Find the equation in Slope-Intercept Form for a line that includes these points: (-2, -8) and (0, -5).

3. Find the equation in Slope-Intercept Form for a line that includes these points: (-15, 8) and (0, 188).

4. A line has a slope of 5 and includes the point (3, 9). What is the equation for this relationship?

5. A line has a slope of -6 and includes the point (-2, 8). What is the equation for this relationship?

6. A linear function  $f$  includes these values:  $f(5) = 10$ ;  $f(0) = -10$ . Write an equation for this function.

6. A linear function  $f$  includes these values:  $f(-3) = -6$ ;  $f(0) = 9$ . Write an equation for this function.

7. The cost of shipping a package to Bangkok, Thailand is \$20 plus an additional charge for each ounce that the package weighs. It costs you \$53 to send your 11 oz. package to Bangkok. What is the charge per ounce?



8. Suppose that the water level of a river was 34 feet and that it was receding at a rate of 0.5 foot per day. After a certain number of days, the water level had dropped to 26 feet. How many days had past when the water level dropped to 26 feet? Show the

Days	Equation

9. Write an equation in slope-intercept form for a line that passes through (0,11) and has the same slope as the line whose equation is  $9x + 3y = 27$ .

10. A canoe rental service charges a transportation fee and \$30 dollars an hour to rent a canoe. Your 6 hour canoe rental costs \$200. Write an equation in Slope-Intercept Form that describes the pricing policy. Determine what the Transportation Fee is.

Transportation Fee	Equation