

Name \_\_\_\_\_

Date \_\_\_\_\_

Write the equation of the line in Slope-Intercept Form.

9) through:  $(1, 2)$ , slope = 7

10) through:  $(3, -1)$ , slope = -1

11) through:  $(-2, 5)$ , slope = -4

12) through:  $(3, 5)$ , slope =  $\frac{5}{3}$

13) through:  $(2, -4)$ , slope = -1

14) through:  $(2, 5)$ , slope = undefined

15) through:  $(3, 1)$ , slope =  $\frac{1}{2}$

16) through:  $(-1, 2)$ , slope = 2

Write the equation of the line in Slope-Intercept Form.

17) through:  $(4, 2)$ , parallel to  $y = -\frac{3}{4}x - 5$

18) through:  $(-3, -3)$ , parallel to  $y = \frac{7}{3}x + 3$

19) through:  $(-4, 0)$ , parallel to  $y = \frac{3}{4}x - 2$

20) through:  $(-1, 4)$ , parallel to  $y = -5x + 2$

21) through  $(2,0)$ , perpendicular to

$$y = \frac{1}{3}x + 3$$

22) through  $(4,-4)$ , perpendicular to

$$y = -x - 4$$

23) through  $(-2,4)$ , perpendicular to

$$y = -\frac{5}{2}x + 5$$

24) through  $(-4,-1)$ , perpendicular to

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