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

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

$$5 = 7 + b$$

$$7 = 86 + b$$

$$7 = 7 + b$$

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

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

$$1: \frac{1}{1}(3) + b$$

$$1: \frac{3}{1} + b$$

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

$$-1 = -1.3 + b$$

 $-1 = -3 + b$
 $2 + b$

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

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

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

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

$$2 = \frac{3}{4}(4) + 5$$

$$2 = \frac{3}{4} \times + 5$$

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

0 = $\frac{3}{4}(-4) + 1$

0 = $-3 + 1$

3 = 8

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

-3 = $\frac{7}{3}(-3) + b$
-3 = -7+b
-3 = -7+b
-3 = -7+b

20) through:
$$(-1, 4)$$
, parallel to $y = -5x + 2$
 $y = -5(-1) + b$
 $y = 5 + 3$
 $y = 5 + 3$

21) through (2,0), perpendicular to

$$y = \frac{1}{3}x + 3$$
 $0 = \frac{3}{3}(x) + 6$
 $y = \frac{3}{3}x + 6$

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

$$y=-x-4$$

$$-y=1.4+b$$

$$-8=b$$

$$y=X-8$$

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

$$y = -\frac{5}{2}x + 5 \qquad M = \frac{3}{5}$$

$$y = \frac{3}{5}(-1) + 6$$

$$y = \frac{3}{5}(-1) + 6$$

$$y = \frac{3}{5} \times 4$$

$$y = \frac{3}{5} \times 4$$

$$y = \frac{3}{5} \times 4$$

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

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

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

$$-\frac{1}{2}$$