Practice Quiz

Period Date

Solve each equation.

1)
$$-39 + 3n = -4(n+1)$$

2)
$$-n-17=3(1-7n)$$
 $n=1$
 $-1n-17=3-21n$
 $+21n$
 $+2$

Simplify.

3)
$$\sqrt{98}$$

A)
$$4\sqrt{5}$$

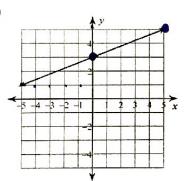
B)
$$6\sqrt{7}$$

A)
$$4\sqrt{3}$$
 C) $7\sqrt{2}$

D)
$$8\sqrt{2}$$

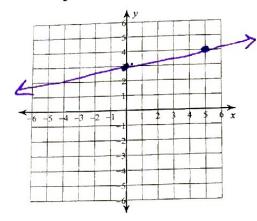
Write the slope-intercept form of the equation of each line. y = mx + b

4)

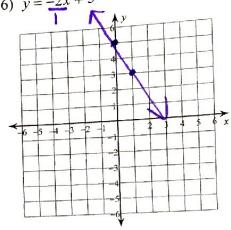


Sketch the graph of each line.

5)
$$y = \frac{1}{5}x + 3$$



$$y = -2x + 5$$



Evaluate the function.

7)
$$p(x) = -2x^2 - 3x$$
; Find $p(-8)$ $-10+$ $-2(-8)^2 - 3(-8)$

-128+24 = Write the slope-intercept form of the equation of each line. (Solve for y.)

8)
$$5x - 3y = 21$$

A)
$$y = \frac{2}{3}x - 7$$

A)
$$y = \frac{2}{3}x - 7$$
 B) $y = -\frac{2}{3}x - 7$

C)
$$y = \frac{5}{3}x - 7$$
 D) $y = -\frac{1}{3}x - 7$

D)
$$y = -\frac{1}{3}x - 7$$

$$5x/-3y=21$$

- $5x/-3y=21$

Write the slope-intercept form of the equation of the line through the given point with the given slope.

9) through: (1, -4), slope = -4

Write the slope-intercept form of the equation of the line through the given points.

10) through: (-5, -2) and (4, -5)

$$y = -\frac{1}{3}x - \frac{11}{3}$$

$$M = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\left(\frac{-1}{3}\right)$$
m

$$\frac{-15}{3}$$
 $\frac{3.-5}{3.1}$ $\frac{-4}{3}$ $\frac{-4}{4}$ $\frac{-4}{4}$