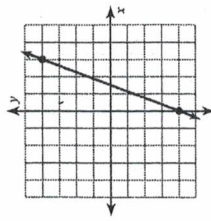


Unit 3 Homework #5 Sect. 3.3 and 3.4.

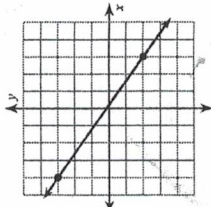
Date _____ Period _____

Find the slope of each line.

1)



2)



Find the slope of the line through each pair of points.

3) $(-15, 2), (9, -2)$

4) $(-18, -12), (6, -12)$

5) $(-18, -14), (-10, -11)$

6) $(10, -14), (-5, -2)$

Find the value of x or y so that the line through the points has the given slope.

7) $(x, -6)$ and $(-6, 8)$; slope: 14

8) $(-1, -5)$ and $(x, 1)$; slope: $\frac{6}{5}$

9) $(-2, y)$ and $(1, -1)$; slope: $\frac{2}{3}$

10) $(5, y)$ and $(6, -3)$; slope: -11

Find the slope of each line.

11) $y = -x - 1$

12) $y = \frac{5}{4}x - 2$

13) $y = -\frac{3}{5}x + 2$

14) $y = -3$

15) $x - y = 3$

16) $x = 4$

17) $-y = 1 - 3x$

18) $5y - 7x = 15$

Write the slope-intercept form of the equation of each line given the slope and y -intercept.

19) Slope = 8 , y -intercept = 5

20) Slope = 6 , y -intercept = -2

21) Slope = $\frac{1}{3}$, y -intercept = 2

22) Slope = 3 , y -intercept = -1

Write the slope-intercept form of the equation of each line and then identify the slope and y -intercept.

23) $x + y = 7$

24) $2x - 5y = 10$

25) $x = 8$

26) $5x - y = 8$