Slope-intercept Form Worksheet

Find the slope of each line.

1) [Graph of a line]

2) [Graph of a line]

3) [Graph of a line]

4) [Graph of a line]

5) [Graph of a line]

6) [Graph of a line]

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

7) \((-14, -20), (-5, 9)\)

8) \((-1, 1), (5, -6)\)

9) \((15, 9), (-14, -9)\)

10) \((2, -12), (18, 15)\)
Write the slope-intercept form of the equation of each line given the slope and y-intercept.

11) Slope = −1, y-intercept = 2

13) Slope = 3, y-intercept = −2

15) Slope = \(\frac{1}{2}\), y-intercept = 1

17) Slope = 7, y-intercept = 2

12) Slope = \(\frac{3}{2}\), y-intercept = 3

14) Slope = \(\frac{3}{4}\), y-intercept = 1

16) Slope = \(\frac{2}{5}\), y-intercept = 0

18) Slope = \(\frac{4}{3}\), y-intercept = −4

Sketch the graph of each line.

19) \(y = x - 4\)

20) \(y = 5x - 1\)

21) \(y = -4x + 5\)

22) \(y = x + 5\)
23) \( y = -3x + 3 \)

24) \( y = -2x - 2 \)

25) \( y = 2x - 4 \)

26) \( y = \frac{5}{2}x - 3 \)

27) \( y = \frac{1}{2}x - 1 \)

28) \( y = \frac{5}{3}x + 5 \)
29) \( y = \frac{5}{2}x + 5 \)

30) \( y = \frac{3}{2}x - 1 \)

31) \( y = -\frac{3}{2}x - 2 \)

32) \( y = \frac{4}{5}x - 1 \)

33) \( y = -\frac{3}{5}x + 1 \)

34) \( y = -\frac{1}{4}x + 1 \)