

Assignment

Date _____ Period _____

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

1) $(-18, -6), (16, 1)$

2) $(-9, 15), (19, -7)$

3) $(-1, 4), (-7, -4)$

4) $(-19, -13), (-7, -11)$

5) $(-1, -14), (6, -16)$

6) $(4, -14), (1, 14)$

7) $(-16, -20), (16, 2)$

8) $(-19, 7), (11, 11)$

9) $(7, -13), (14, -19)$

10) $(-18, -9), (1, -6)$

11) $(4, 14), (17, 0)$

12) $(-17, 15), (-10, 16)$

13) $(-2, 2), (-20, 9)$

14) $(12, -15), (4, 9)$

15) $(0, -19), (18, 19)$

16) $(4, -14), (1, 4)$

17) $(-19, 2), (10, -12)$

18) $(-11, 6), (13, 17)$

19) $(-7, -11), (-5, -12)$

20) $(13, -14), (4, 17)$

21) $(1, 1), (-3, -17)$

22) $(-19, 8), (0, -2)$

23) $(-10, 16), (-20, -8)$

24) $(-7, 9), (4, 4)$

25) $(-20, 11), (7, 20)$

26) $(19, 8), (-17, 18)$

27) $(9, 13), (4, -14)$

28) $(-12, -17), (-3, 13)$

29) $(-13, -10), (12, -2)$

30) $(-11, 15), (15, 10)$

31) $(20, 11), (-17, 1)$

32) $(-14, 1), (4, 14)$

33) $(12, -13), (-17, -2)$

34) $(9, 16), (-18, 6)$

35) $(0, 15), (-20, -12)$

36) $(-12, 8), (-7, 14)$

37) $(-6, -17), (2, 1)$

38) $(1, -17), (15, -1)$

39) $(17, 5), (5, -18)$

40) $(-17, -19), (14, 13)$

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

41) through: $(0, -4)$ and $(-2, 3)$

42) through: $(1, 3)$ and $(3, -2)$

43) through: $(3, 2)$ and $(-5, -1)$

44) through: $(-5, -3)$ and $(0, -5)$

45) through: $(0, -2)$ and $(-1, -4)$

46) through: $(-4, 3)$ and $(0, -5)$

47) through: $(1, 1)$ and $(0, 3)$

48) through: $(-5, 4)$ and $(0, 4)$

49) through: $(0, -3)$ and $(1, 3)$

50) through: $(-1, -3)$ and $(5, 2)$

51) through: $(2, 2)$ and $(-2, 4)$

52) through: $(-4, -1)$ and $(-1, -1)$

53) through: $(-4, 5)$ and $(-3, 0)$

54) through: $(1, 3)$ and $(0, -5)$

55) through: $(0, 2)$ and $(1, 3)$

56) through: $(1, 3)$ and $(-3, 2)$

57) through: $(0, -2)$ and $(1, -4)$

58) through: $(0, 3)$ and $(-3, 4)$

59) through: $(-1, -3)$ and $(-5, 2)$

60) through: $(5, -4)$ and $(0, 0)$

61) through: $(2, -2)$ and $(4, 2)$

62) through: $(5, -3)$ and $(0, 0)$

63) through: $(-4, 2)$ and $(2, -2)$

64) through: $(3, 4)$ and $(0, 3)$

65) through: $(0, -4)$ and $(1, 2)$

66) through: $(-1, -5)$ and $(0, 3)$

67) through: $(4, -4)$ and $(-4, 4)$

68) through: $(5, 5)$ and $(1, 1)$

69) through: $(0, 4)$ and $(-4, -1)$

70) through: $(0, -5)$ and $(-4, -1)$

71) through: $(3, -5)$ and $(0, -1)$

72) through: $(-5, -3)$ and $(0, -4)$

73) through: $(-1, -2)$ and $(-1, 0)$

74) through: $(-1, 3)$ and $(2, -3)$

75) through: $(-5, -2)$ and $(0, 1)$

76) through: $(-5, 1)$ and $(0, -4)$

77) through: $(-2, 3)$ and $(-3, -4)$

78) through: $(-5, 0)$ and $(0, 5)$

79) through: $(-1, 3)$ and $(0, -4)$

80) through: $(2, 5)$ and $(4, -3)$

Assignment

Date _____ Period _____

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

1) $(-18, -6), (16, 1) \frac{7}{34}$

2) $(-9, 15), (19, -7) -\frac{11}{14}$

3) $(-1, 4), (-7, -4) \frac{4}{3}$

4) $(-19, -13), (-7, -11) \frac{1}{6}$

5) $(-1, -14), (6, -16) -\frac{2}{7}$

6) $(4, -14), (1, 14) -\frac{28}{3}$

7) $(-16, -20), (16, 2) \frac{11}{16}$

8) $(-19, 7), (11, 11) \frac{2}{15}$

9) $(7, -13), (14, -19) -\frac{6}{7}$

10) $(-18, -9), (1, -6) \frac{3}{19}$

11) $(4, 14), (17, 0) -\frac{14}{13}$

12) $(-17, 15), (-10, 16) \frac{1}{7}$

13) $(-2, 2), (-20, 9) -\frac{7}{18}$

14) $(12, -15), (4, 9)$
 -3

15) $(0, -19), (18, 19) \frac{19}{9}$

16) $(4, -14), (1, 4)$
 -6

17) $(-19, 2), (10, -12) -\frac{14}{29}$

18) $(-11, 6), (13, 17) \frac{11}{24}$

19) $(-7, -11), (-5, -12) -\frac{1}{2}$

20) $(13, -14), (4, 17) -\frac{31}{9}$

21) $(1, 1), (-3, -17) \frac{9}{2}$

22) $(-19, 8), (0, -2) -\frac{10}{19}$

23) $(-10, 16), (-20, -8) \frac{12}{5}$

24) $(-7, 9), (4, 4) -\frac{5}{11}$

25) $(-20, 11), (7, 20) \frac{1}{3}$

26) $(19, 8), (-17, 18) -\frac{5}{18}$

27) $(9, 13), (4, -14) \frac{27}{5}$

28) $(-12, -17), (-3, 13) \frac{10}{3}$

29) $(-13, -10), (12, -2) \frac{8}{25}$

30) $(-11, 15), (15, 10) -\frac{5}{26}$

31) $(20, 11), (-17, 1) \frac{10}{37}$

32) $(-14, 1), (4, 14) \frac{13}{18}$

33) $(12, -13), (-17, -2) -\frac{11}{29}$

34) $(9, 16), (-18, 6) \frac{10}{27}$

35) $(0, 15), (-20, -12)$ $\frac{27}{20}$

36) $(-12, 8), (-7, 14)$ $\frac{6}{5}$

37) $(-6, -17), (2, 1)$ $\frac{9}{4}$

38) $(1, -17), (15, -1)$ $\frac{8}{7}$

39) $(17, 5), (5, -18)$ $\frac{23}{12}$

40) $(-17, -19), (14, 13)$ $\frac{32}{31}$

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

41) through: $(0, -4)$ and $(-2, 3)$ $y = -\frac{7}{2}x - 4$

42) through: $(1, 3)$ and $(3, -2)$ $y = -\frac{5}{2}x + \frac{11}{2}$

43) through: $(3, 2)$ and $(-5, -1)$ $y = \frac{3}{8}x + \frac{7}{8}$

44) through: $(-5, -3)$ and $(0, -5)$ $y = -\frac{2}{5}x - 5$

45) through: $(0, -2)$ and $(-1, -4)$
 $y = 2x - 2$

46) through: $(-4, 3)$ and $(0, -5)$
 $y = -2x - 5$

47) through: $(1, 1)$ and $(0, 3)$
 $y = -2x + 3$

48) through: $(-5, 4)$ and $(0, 4)$
 $y = 4$

49) through: $(0, -3)$ and $(1, 3)$
 $y = 6x - 3$

50) through: $(-1, -3)$ and $(5, 2)$ $y = \frac{5}{6}x - \frac{13}{6}$

51) through: $(2, 2)$ and $(-2, 4)$ $y = -\frac{1}{2}x + 3$

52) through: $(-4, -1)$ and $(-1, -1)$
 $y = -1$

53) through: $(-4, 5)$ and $(-3, 0)$
 $y = -5x - 15$

54) through: $(1, 3)$ and $(0, -5)$
 $y = 8x - 5$

55) through: $(0, 2)$ and $(1, 3)$
 $y = x + 2$

56) through: $(1, 3)$ and $(-3, 2)$ $y = \frac{1}{4}x + \frac{11}{4}$

57) through: $(0, -2)$ and $(1, -4)$
 $y = -2x - 2$

58) through: $(0, 3)$ and $(-3, 4)$ $y = -\frac{1}{3}x + 3$

59) through: $(-1, -3)$ and $(-5, 2)$ $y = -\frac{5}{4}x - \frac{17}{4}$

60) through: $(5, -4)$ and $(0, 0)$ $y = -\frac{4}{5}x$

61) through: $(2, -2)$ and $(4, 2)$
 $y = 2x - 6$

62) through: $(5, -3)$ and $(0, 0)$ $y = -\frac{3}{5}x$

63) through: $(-4, 2)$ and $(2, -2)$ $y = -\frac{2}{3}x - \frac{2}{3}$

64) through: $(3, 4)$ and $(0, 3)$ $y = \frac{1}{3}x + 3$

65) through: $(0, -4)$ and $(1, 2)$
 $y = 6x - 4$

66) through: $(-1, -5)$ and $(0, 3)$
 $y = 8x + 3$

67) through: $(4, -4)$ and $(-4, 4)$
 $y = -x$

68) through: $(5, 5)$ and $(1, 1)$
 $y = x$

69) through: $(0, 4)$ and $(-4, -1)$ $y = \frac{5}{4}x + 4$

70) through: $(0, -5)$ and $(-4, -1)$
 $y = -x - 5$

71) through: $(3, -5)$ and $(0, -1)$ $y = -\frac{4}{3}x - 1$

72) through: $(-5, -3)$ and $(0, -4)$ $y = -\frac{1}{5}x - 4$

73) through: $(-1, -2)$ and $(-1, 0)$
 $x = -1$

74) through: $(-1, 3)$ and $(2, -3)$
 $y = -2x + 1$

75) through: $(-5, -2)$ and $(0, 1)$ $y = \frac{3}{5}x + 1$

76) through: $(-5, 1)$ and $(0, -4)$
 $y = -x - 4$

77) through: $(-2, 3)$ and $(-3, -4)$
 $y = 7x + 17$

78) through: $(-5, 0)$ and $(0, 5)$
 $y = x + 5$

79) through: $(-1, 3)$ and $(0, -4)$
 $y = -7x - 4$

80) through: $(2, 5)$ and $(4, -3)$
 $y = -4x + 13$