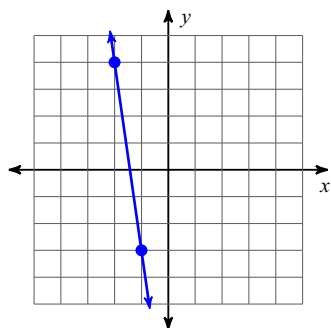


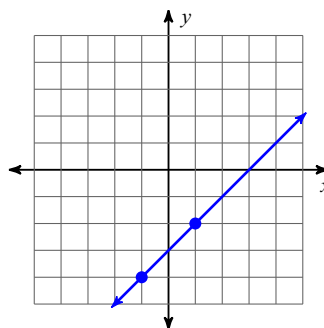
Geometry - Homework 12

Find the slope of each line.

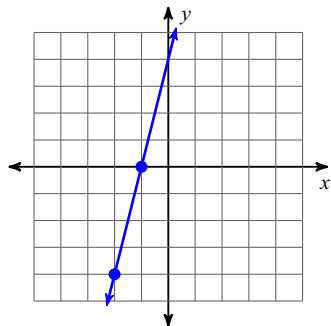
1)



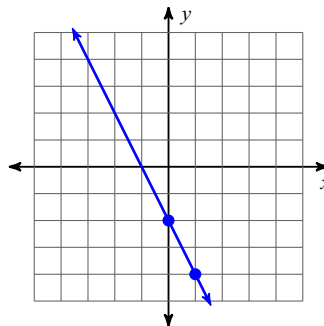
2)



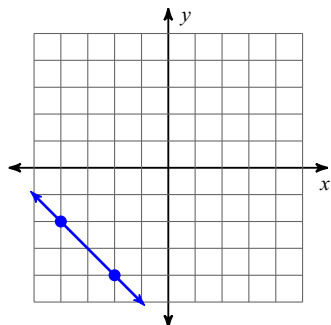
3)



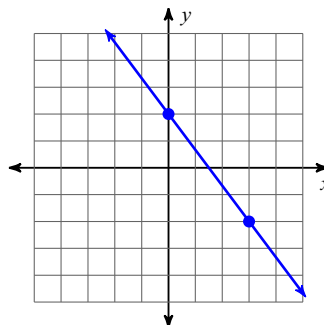
4)



5)



6)



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

7) $(-10, -20), (11, 18)$

8) $(-12, -9), (-13, -8)$

9) $(-20, 5), (-9, 3)$

10) $(14, 20), (15, 3)$

11) $(-16, -13), (-15, -6)$

12) $(-14, 7), (3, 8)$

Find the slope of each line.

13) $y = \frac{1}{5}x - 5$

14) $y = -8x + 4$

15) $y = -\frac{1}{4}x - 5$

16) $x = 5$

17) $y = 5$

18) $y = -\frac{7}{5}x - 2$

Find the slope of a line parallel to each given line.

19) $y = 4x + 4$

20) $y = -5x - 5$

21) $y = -\frac{3}{4}x - 1$

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

23) $y = \frac{1}{5}x + 2$

24) $y = -4$

Find the slope of a line perpendicular to each given line.

25) $x = -1$

26) $y = -\frac{1}{4}x + 2$

27) $y = \frac{7}{4}x - 2$

28) $y = -2$

29) $y = \frac{9}{5}x + 4$

30) $y = -\frac{1}{2}x + 4$

Answers to Geometry - Homework 12

1) -7

3) 4

5) -1

7) $\frac{38}{21}$

9) $-\frac{2}{11}$

11) 7

13) $\frac{1}{5}$

15) $-\frac{1}{4}$

17) 0

19) 4

21) $-\frac{3}{4}$

23) $\frac{1}{5}$

25) 0

27) $-\frac{4}{7}$

29) $-\frac{5}{9}$