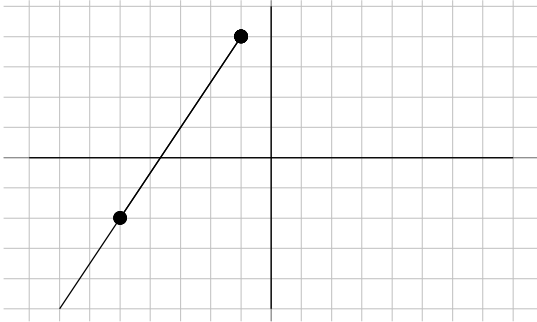


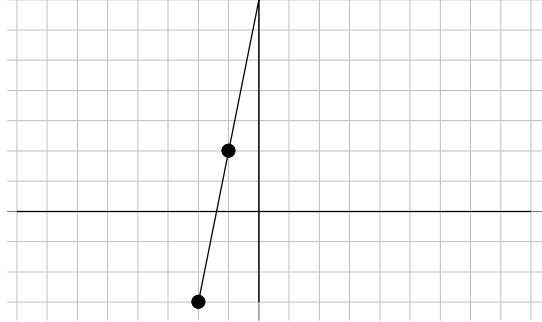
## 2.2 Practice - Slope

Find the slope of each line.

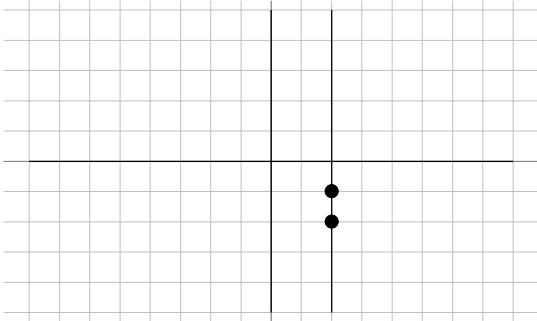
1)



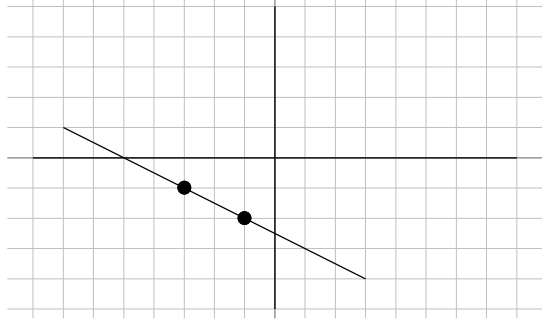
2)



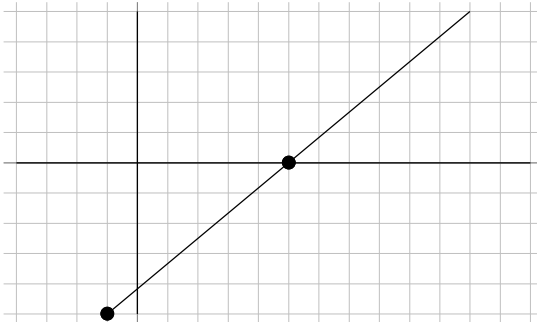
3)



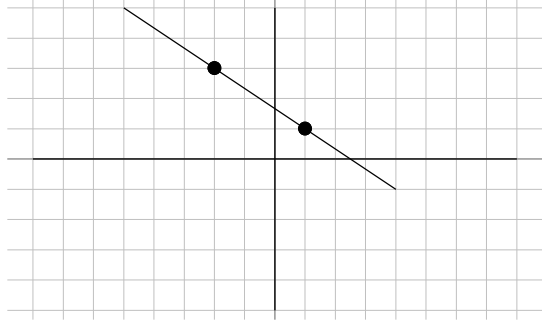
4)



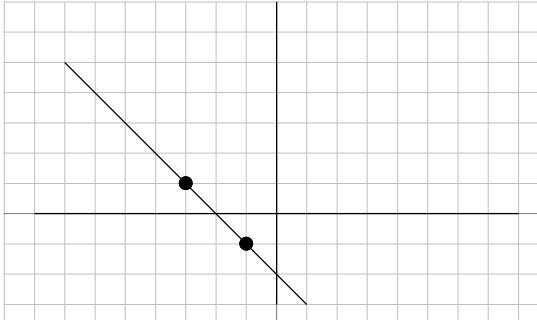
5)



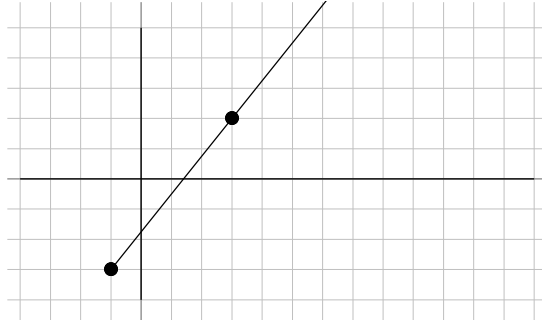
6)



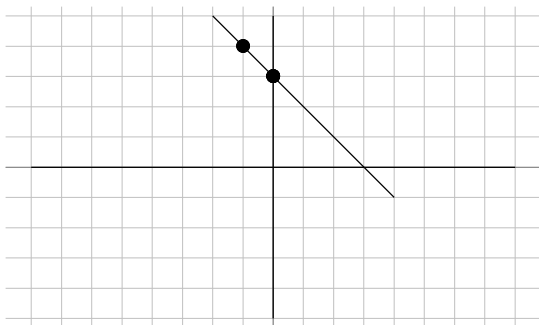
7)



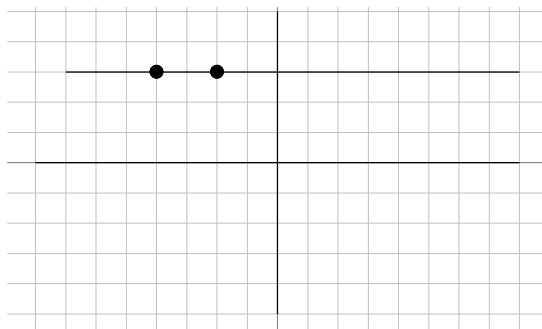
8)



9)



10)



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

11)  $(-2, 10), (-2, -15)$

12)  $(1, 2), (-6, -14)$

13)  $(-15, 10), (16, -7)$

14)  $(13, -2), (7, 7)$

15)  $(10, 18), (-11, -10)$

16)  $(-3, 6), (-20, 13)$

17)  $(-16, -14), (11, -14)$

18)  $(13, 15), (2, 10)$

19)  $(-4, 14), (-16, 8)$

20)  $(9, -6), (-7, -7)$

21)  $(12, -19), (6, 14)$

22)  $(-16, 2), (15, -10)$

23)  $(-5, -10), (-5, 20)$

24)  $(8, 11), (-3, -13)$

25)  $(-17, 19), (10, -7)$

26)  $(11, -2), (1, 17)$

27)  $(7, -14), (-8, -9)$

28)  $(-18, -5), (14, -3)$

29)  $(-5, 7), (-18, 14)$

30)  $(19, 15), (5, 11)$

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

31)  $(2, 6)$  and  $(x, 2)$ ; slope:  $\frac{4}{7}$

32)  $(8, y)$  and  $(-2, 4)$ ; slope:  $-\frac{1}{5}$

33)  $(-3, -2)$  and  $(x, 6)$ ; slope:  $-\frac{8}{5}$

34)  $(-2, y)$  and  $(2, 4)$ ; slope:  $\frac{1}{4}$

35)  $(-8, y)$  and  $(-1, 1)$ ; slope:  $\frac{6}{7}$

36)  $(x, -1)$  and  $(-4, 6)$ ; slope:  $-\frac{7}{10}$

37)  $(x, -7)$  and  $(-9, -9)$ ; slope:  $\frac{2}{5}$

38)  $(2, -5)$  and  $(3, y)$ ; slope: 6

39)  $(x, 5)$  and  $(8, 0)$ ; slope:  $-\frac{5}{6}$

40)  $(6, 2)$  and  $(x, 6)$ ; slope:  $-\frac{4}{5}$



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## Answers - Slope

1)  $\frac{3}{2}$

2) 5

3) Undefined

4)  $-\frac{1}{2}$

5)  $\frac{5}{6}$

6)  $-\frac{2}{3}$

7) -1

8)  $\frac{5}{4}$

9) -1

10) 0

11) Undefined

12)  $\frac{16}{7}$

13)  $-\frac{17}{31}$

14)  $-\frac{3}{2}$

15)  $\frac{4}{3}$

16)  $-\frac{7}{17}$

17) 0

18)  $\frac{5}{11}$

19)  $\frac{1}{2}$

20)  $\frac{1}{16}$

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

22)  $-\frac{12}{31}$

23) Undefined

24)  $\frac{24}{11}$

25)  $-\frac{26}{27}$

26)  $-\frac{19}{10}$

27)  $-\frac{1}{3}$

28)  $\frac{1}{16}$

29)  $-\frac{7}{13}$

30)  $\frac{2}{7}$

31) -5

32) 2

33) -8

34) 3

35) -5

36) 6

37) -4

38) 1

39) 2

40) 1



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