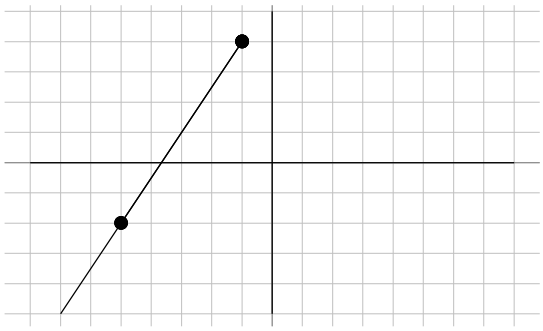
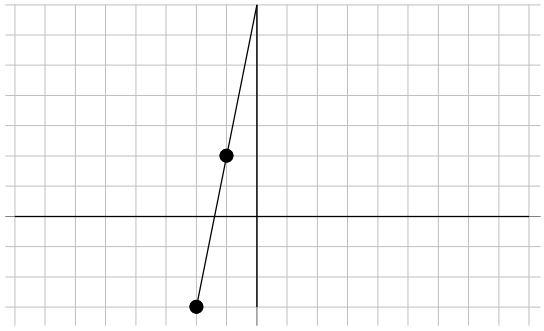
2.2 Practice - Slope

Find the slope of each line.

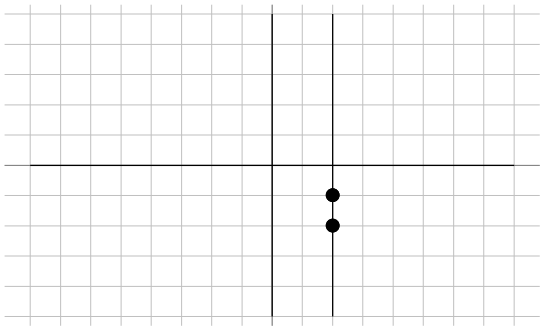
1)



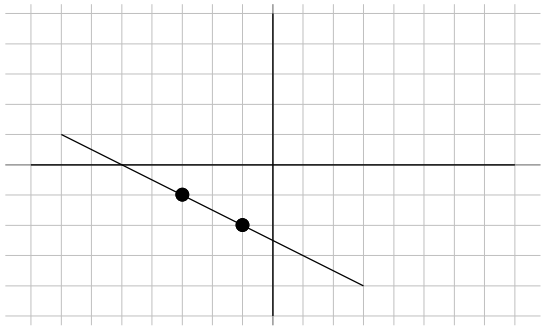
2)



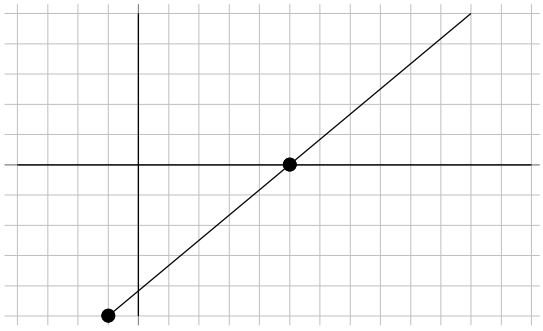
3)



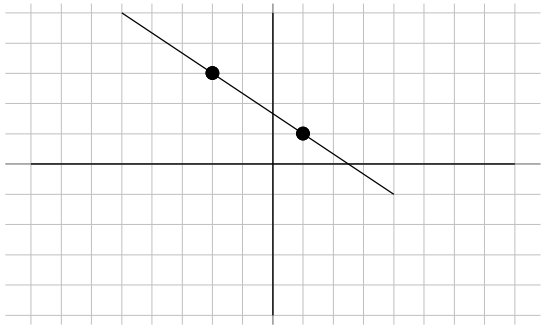
4)



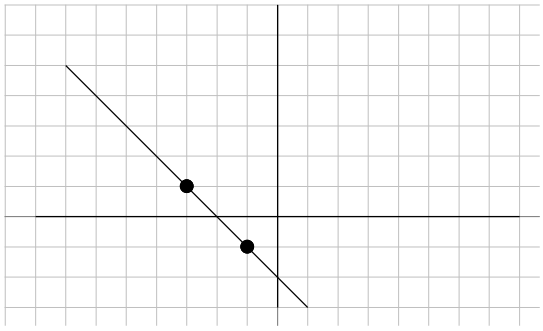
5)



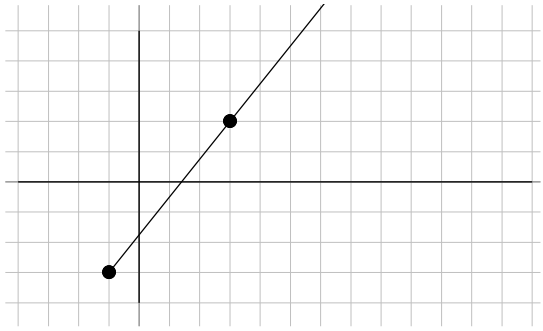
6)



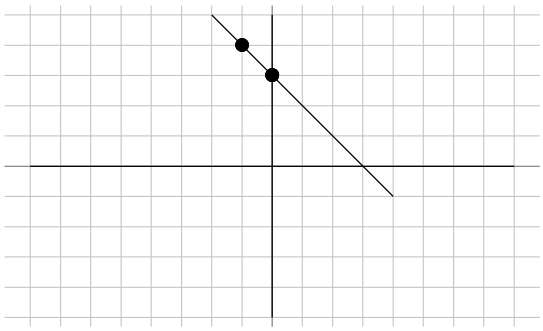
7)



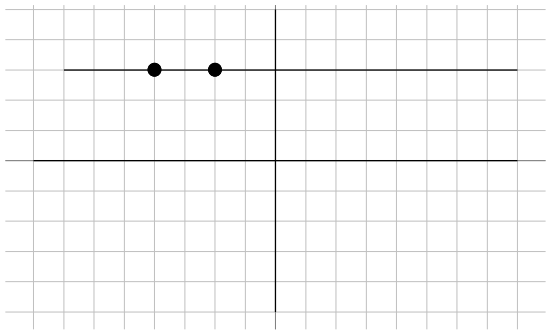
8)



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: $-\frac{4}{5}$

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