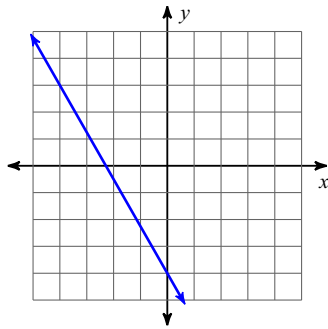


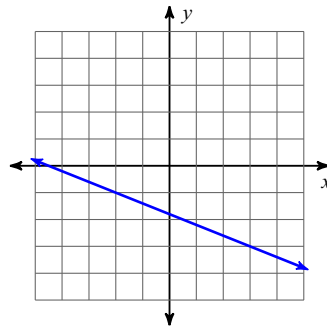
Unit 3 Study Guide

Find the slope and y-intercept of each line.

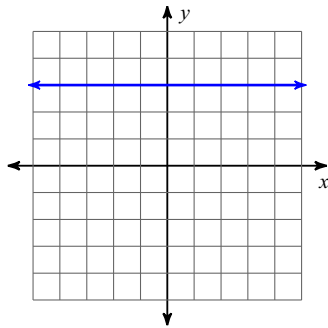
1)



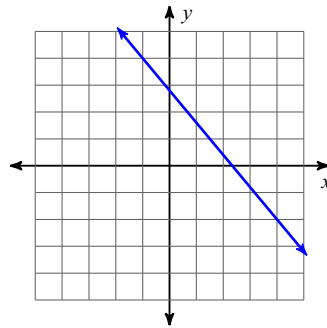
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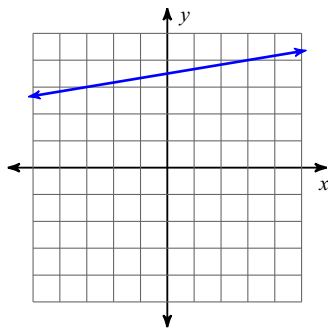
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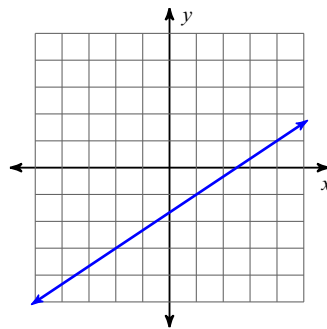
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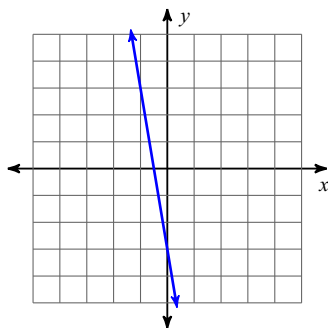
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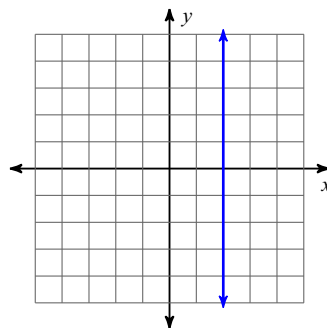
6)



7)



8)



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

9) $(14, 17), (19, -13)$

10) $(7, 17), (-12, 2)$

11) $(13, 2), (1, 19)$

12) $(-1, -14), (-1, 13)$

13) $(-20, -17), (9, -17)$

14) $(-9, -10), (-2, 8)$

15) $(8, -13), (12, -17)$

16) $(-9, 1), (-9, -4)$

Identify the slope and y-intercept of each line.

17) $y = -\frac{1}{2}x - 1$

18) $y = 5x + 2$

19) $y = x + 1$

20) $y = -5x - 2$

Solve for y, then identify the slope and y-intercept of the line.

21) $9x - 5y = 20$

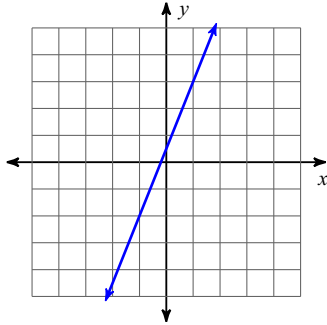
22) $9x + 4y = -20$

23) $8x + y = -5$

24) $x + 5y = 15$

Find the slope of each line, then determine which line has the greater slope.

25)



26) $(-1, -1), (-19, -20)$

Find the slope of each line, then determine which line has the greatest slope.

27) $7x - 2y = 8$

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

29) Write two ordered pairs that you give you a slope that is undefined.

30) Write two ordered pairs that you give you a slope of zero.

31) Write two ordered pairs that you give you a positive slope.

32) Write two ordered pairs that you give you a negative slope.

33) Write a complete sentence explaining how to determine given the graph of a line if the slope is positive.

34) Write a complete sentence explaining how to determine if the slope of a line given a graph is negative.

35) Write a complete sentence explaining how to determine if the slope of a line given a graph is zero.

36) Write a complete sentence explaining how to determine if the slope of a line given a graph is undefined.

37) Find the slope and the y-intercept.

x	y
0	14
9	12
18	10

38) Find the slope and the y-intercept.

x	y
0	24
6	34
12	44

39) Find the slope and the y-intercept.

x	y
0	30
8	20
16	10
24	0

40) Find the slope and the y-intercept.

x	y
0	36
-7	42
-14	48