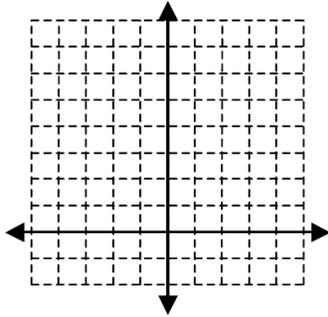


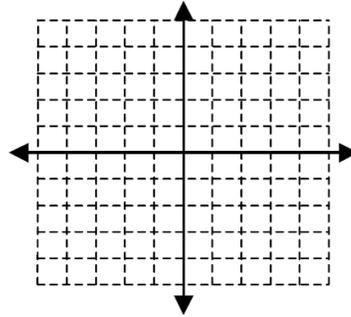
### Writing Equations of Lines Practice

Graph the line that passes through the points. Then write the equation of the line in slope-intercept form.

1.  $(1, 8)$  and  $(-2, -1)$



2.  $(-4, -1)$  and  $(2, 2)$



Use the slope formula to find the slope of the line between the given points.

3.  $(-4, 1)$  and  $(2, -5)$

4.  $(2, -3)$  and  $(-3, 7)$

Write the equation in slope-intercept form for the line with the given slope that contains the given point.

5. slope = 1;  $(-2, 3)$

6. slope = -3;  $(-1, 6)$

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

7.  $(0, -5)$  and  $(3, 4)$

8.  $(2, 4)$  and  $(1, -2)$

9.  $(2, -2)$  and  $(-4, 1)$

10.  $(4, 3)$  and  $(-8, 0)$

11.  $(9, -2)$  and  $(-3, 2)$

12.  $(-3, -3)$  and  $(7, 2)$

13.  $(1, 2)$  and  $(7, 2)$

14.  $(5, -6)$  and  $(5, -3)$

**Is the relationship shown by the data linear? If it is, model the data with an equation.**

15. 

$x$	$y$
2	3
3	7
4	11
5	15

16. 

$x$	$y$
-3	4
-1	6
1	7
3	10

17. 

$x$	$y$
-2	5
3	-5
7	-13
11	-21

18. 

$x$	$y$
2	3
5	18
8	33
14	63

19. 

$x$	$y$
-2	25
0	19
3	10
7	-2

20. 

$x$	$y$
2	3
3	10
4	17
10	24