

Name: _____

Period: _____

Writing Linear Equations

$$y = mx + b$$

Write the equation of the line in slope-intercept form from the given information.

1. $m = 3, b = 5$ _____

2. $m = \frac{1}{2}, b = -4$ _____

3. $m = 0, b = 2$ _____

4. $m = \frac{3}{2}, b = -7$ _____

5. $m = -\frac{4}{7}, b = 0$ _____

6. $m = 1\frac{1}{2}, b = 3$ _____

7.

x	y
-1	4
0	7
1	10
2	13

8.

x	y
2	4
4	7
6	10
8	13

9.

x	y
0	-2
3	3
6	8
9	13

10.

x	y
0	1
1	-2
2	-5
3	-8

11.

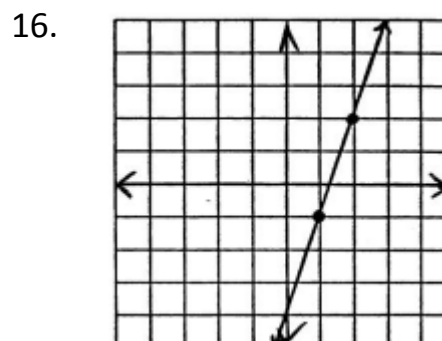
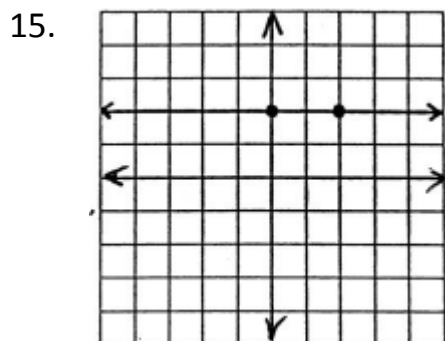
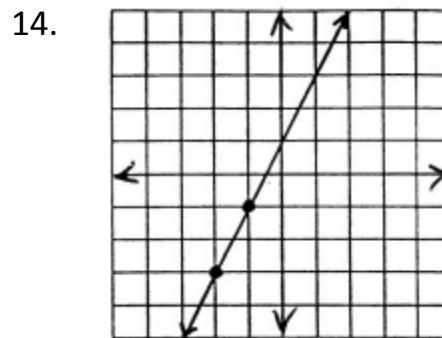
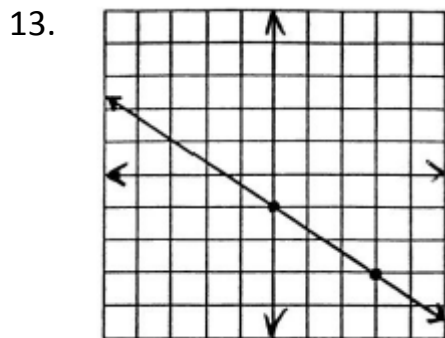
x	y
-2	-4
0	-3
2	-2
4	-1

12.

x	y
-3	3
0	2
3	1
6	0

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17. $3x - 2y = 6$

18. $-3x + 4y = -12$

19. $12 - y = 5x$

20. $2x + 6y = -8$