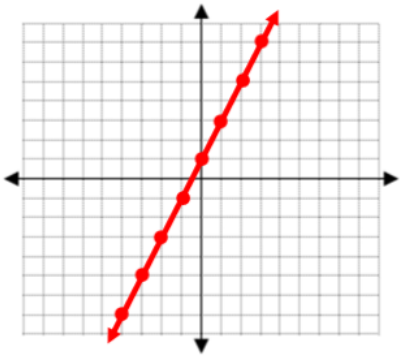
0.3 Graphing Linear Equations

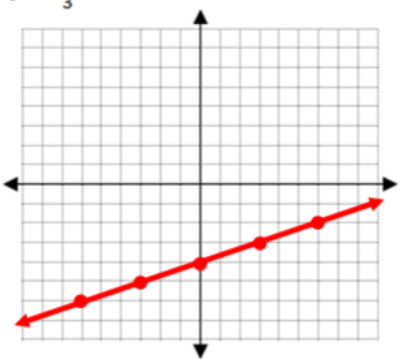
PRACTICE

Graph the following lines.

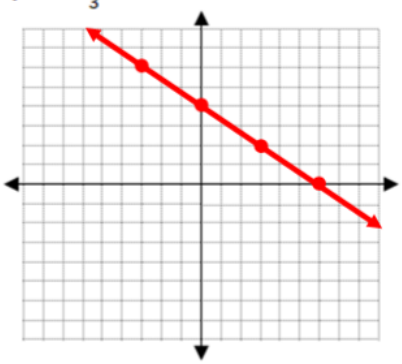
1. $y = 2x + 1$



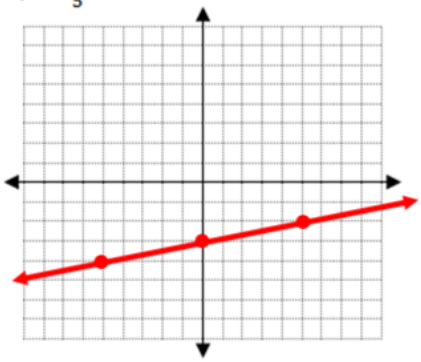
2. $y = \frac{1}{3}x - 4$



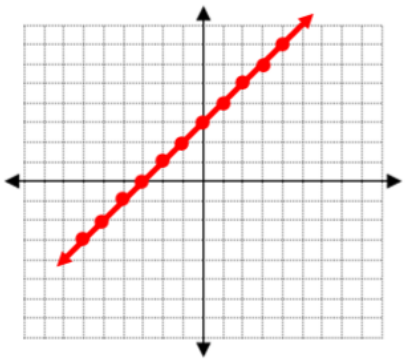
3. $y = -\frac{2}{3}x + 4$



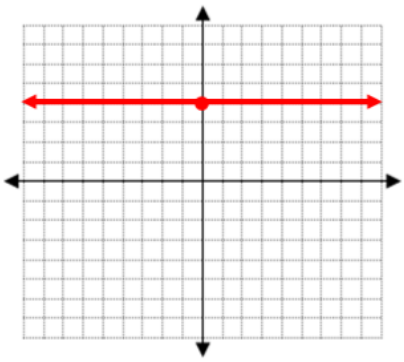
4. $y = \frac{1}{5}x - 3$



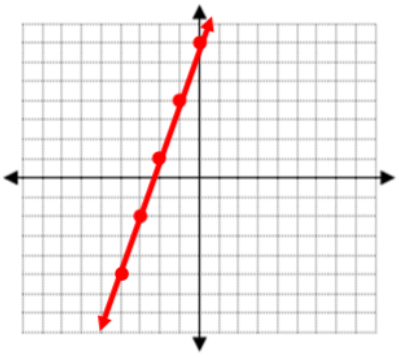
5. $y = x + 3$



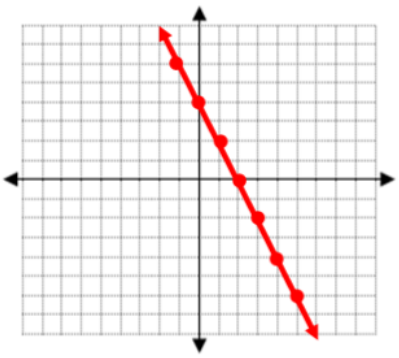
6. $y = 4$



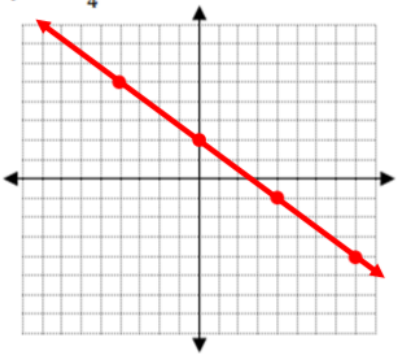
7. $y = 3x + 7$



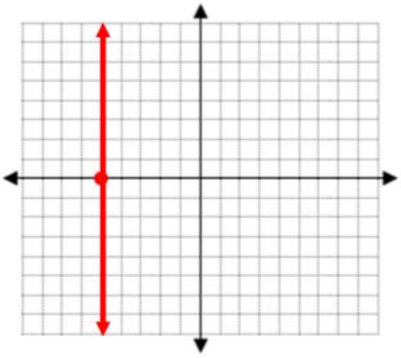
8. $y = 4 - 2x$



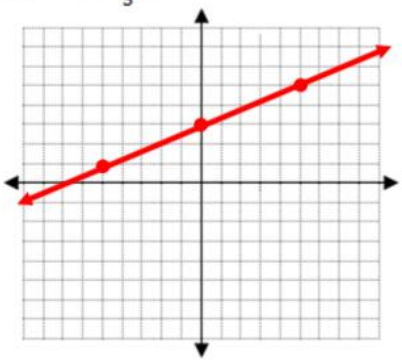
9. $y = -\frac{3}{4}x + 2$



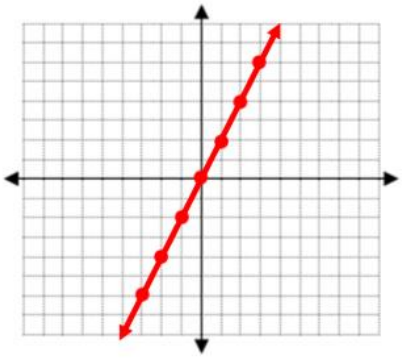
10. $x = -5$



11. $y = 3 + \frac{2}{5}x$

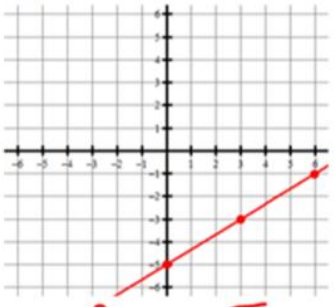


12. $y = 2x$



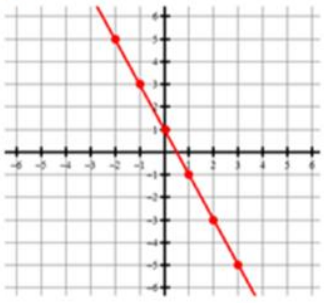
Write the equation of the line graphed below.

13.



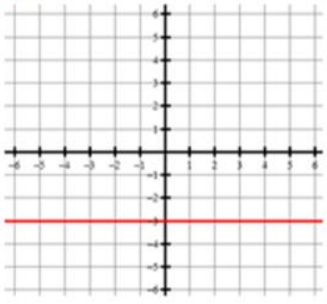
$y = \frac{2}{3}x - 5$

14.



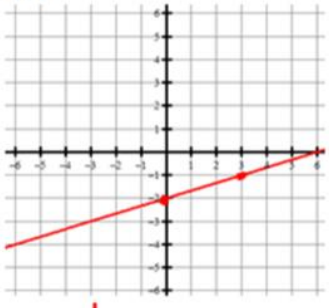
$y = -2x + 1$

15.



$y = -3$

16.

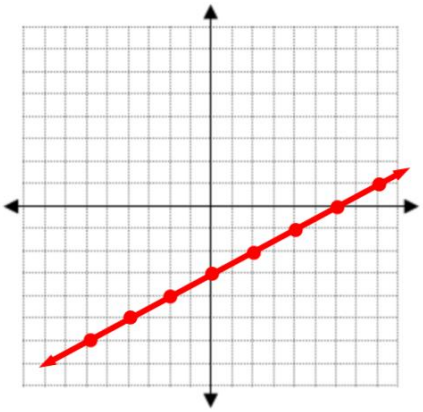


$y = \frac{1}{3}x - 2$

Use the equation to complete the table and graph the line.

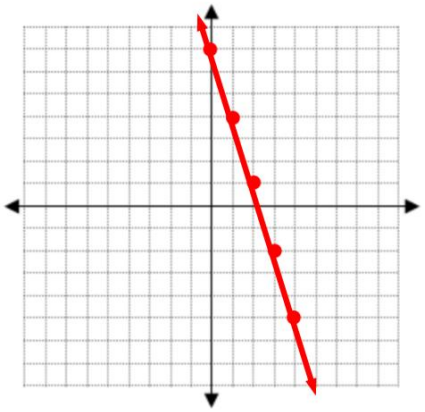
17. $y = \frac{1}{2}x - 3$

x	y
0	−3
4	−1
−6	−6
12	3



18. $y = -3x + 7$

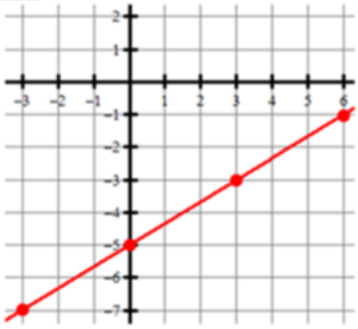
x	y
1	4
0	7
4	−5
5	−8



Use the graph to complete the table and write the equation.

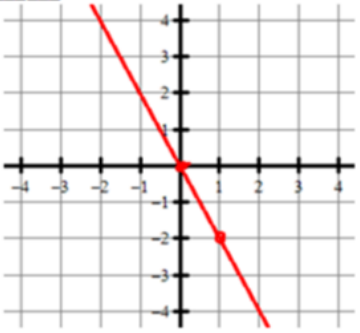
19. $y = \frac{2}{3}x - 5$

x	y
3	−3
0	−5
6	−1
−6	−9



20. $y = -2x$

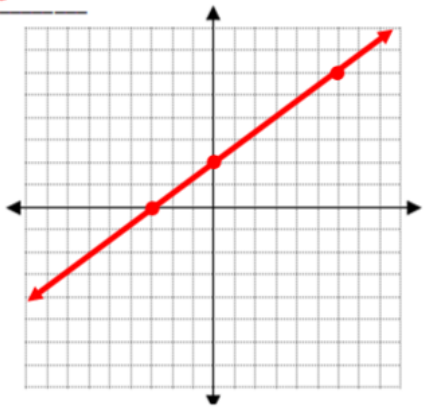
x	y
1	−2
−2	4
0	0
2	−4



Use the table to complete the graph and write the equation.

21. $y = \frac{2}{3}x + 2$

x	y
−3	0
0	2
6	6
−9	−4



22. $x = 4$

x	y
4	−2
4	4
4	−5
4	3