

Name _____ Period _____ Score _____ / _____ = _____ % = _____

10-1,2 Writing Linear Equations

Write the equation of the line in Slope-Intercept Form given the following information.

1. $m = -\frac{1}{2}$ and $(6, 0)$

2. $m = 1$ and $(2, -1)$

3. $m = -\frac{1}{2}$ and $(-6, -2)$

4. $m = 0$ and $(3, -4)$

5. $m = \frac{3}{2}$ and $(-4, 1)$

6. $m = -3$ and $(0, 0)$

7. $m = 3$ and $(4, 5)$

8. $m = \frac{1}{4}$ and $(1, 1)$

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

10. $(0, 7)$ and $(-4, 1)$

Write the equation of the line in Slope-Intercept Form given the following information.

11. $(0, -12)$ and $(-6, -2)$

12. $(1, -3)$ and $(0, 0)$

13. $(1, -4)$ and $(3, -4)$

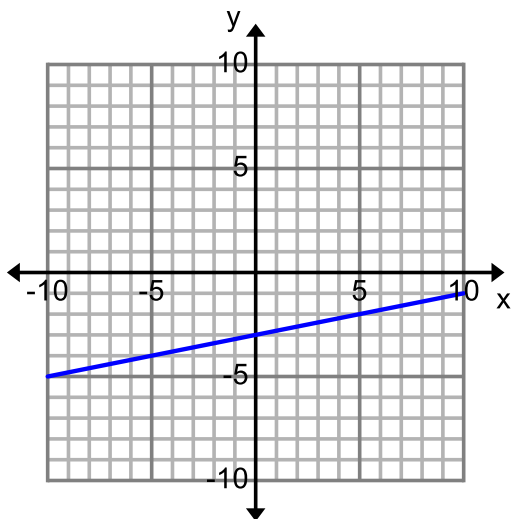
14. $(1, 1)$ and $(1, 7)$

15. $(-2, -3)$ and $(-2, 5)$

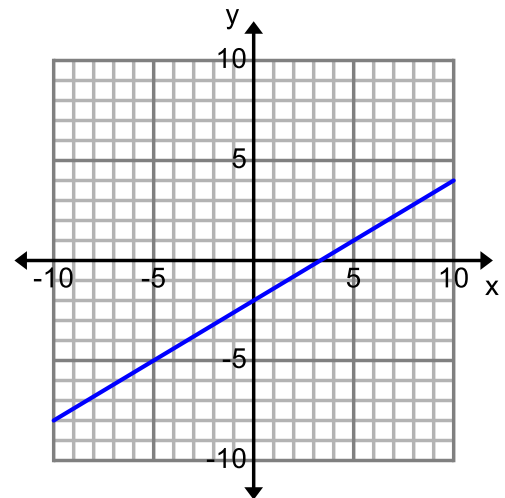
16. $(1, 2)$ and $(-4, -3)$

Write the equation of the graphed line in slope-intercept form

17.

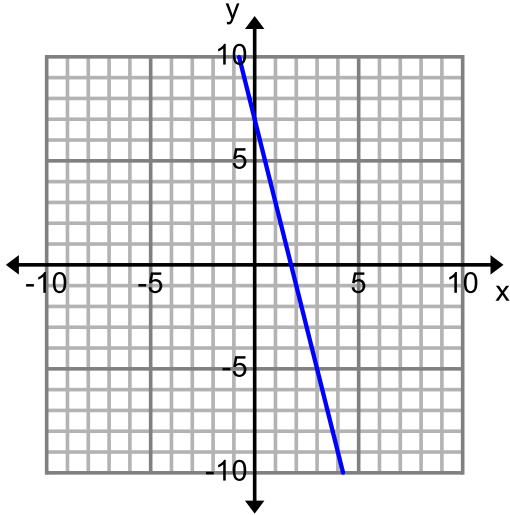


18.

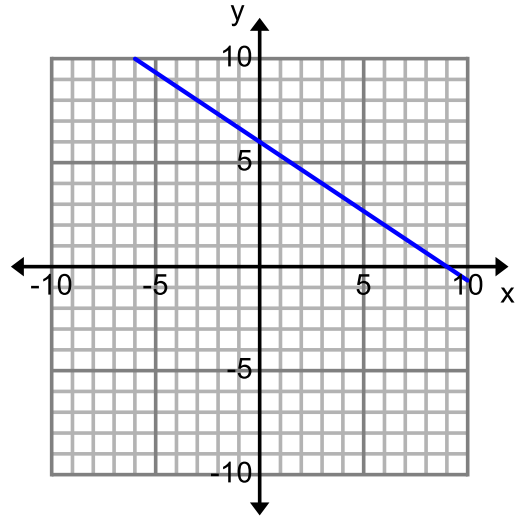


Write the equation of the graphed line in slope-intercept form

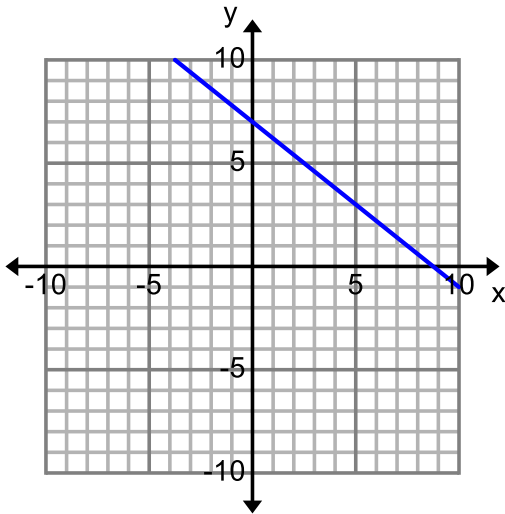
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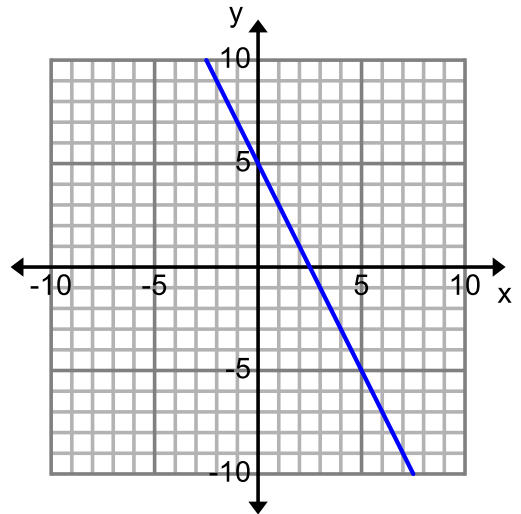
20.



21.



22.

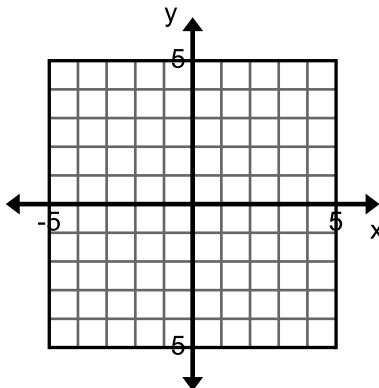


Identify the slope (m), y -intercept (b) and then graph the equation.

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

$m =$ _____

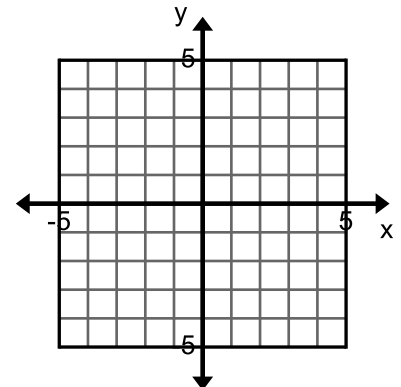
$b =$ _____



24. $y = x$

$m =$ _____

$b =$ _____

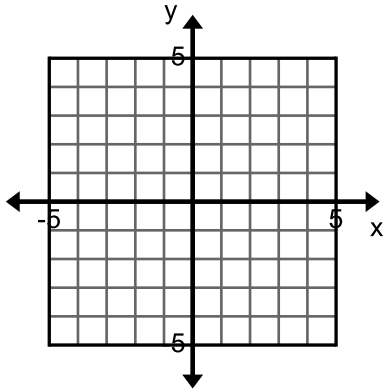


Identify the slope (m), y -intercept (b) and then graph the equation.

25. $y = -\frac{7}{5}x + 4$

$m =$ _____

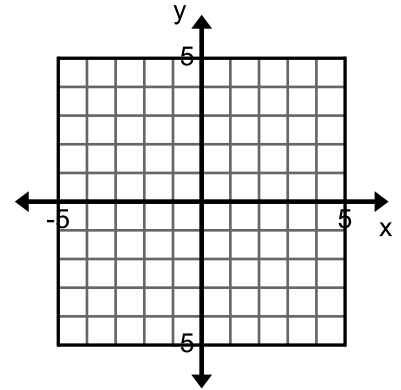
$b =$ _____



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

$m =$ _____

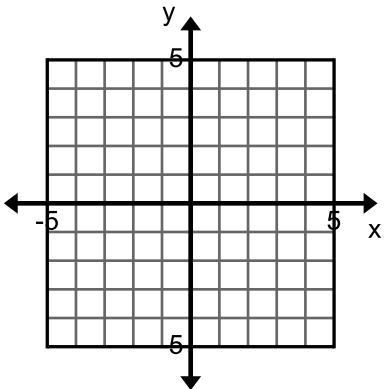
$b =$ _____



27. $y = 4x$

$m =$ _____

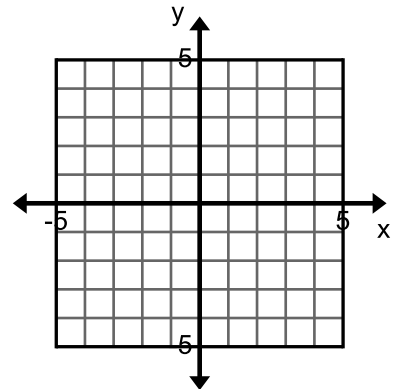
$b =$ _____



28. $x = -3$

$m =$ _____

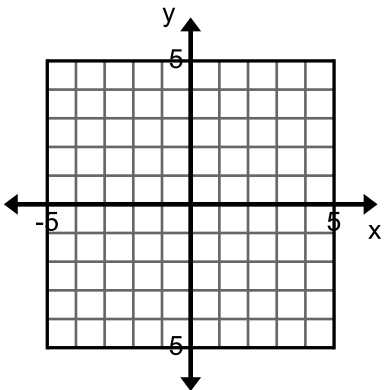
$b =$ _____



29. $y = 4$

$m =$ _____

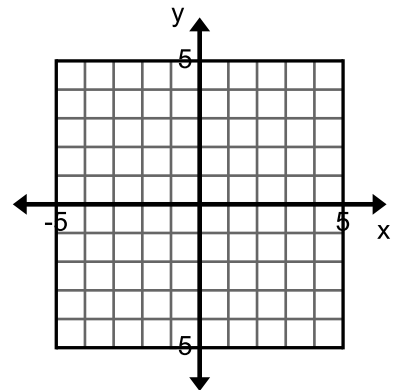
$b =$ _____



30. $y = -2x$

$m =$ _____

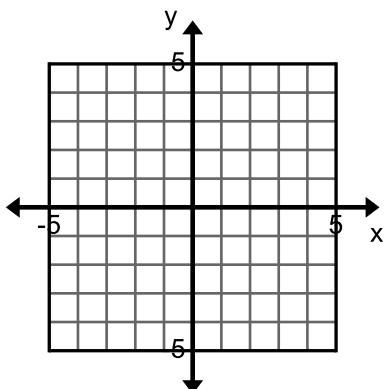
$b =$ _____



31. $y = -2x + 1$

$m =$ _____

$b =$ _____



32. $y = -x$

$m =$ _____

$b =$ _____

