

Name: _____ Period: _____

Score:

_____/_____
_____ %

HW 8-2: Write Linear Equations

Write an equation in slope-intercept form for each line.

1. Passes through $(-5, 6)$, slope = 3
2. Passes through $(6, -6)$, slope = 5

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

3. $(-1, 2)$ and $(-2, 1)$
7. $(0, 7)$ and $(-4, 1)$

4. $(0, -12)$ and $(-6, -2)$

8. $(1, -3)$ and $(0, 0)$

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

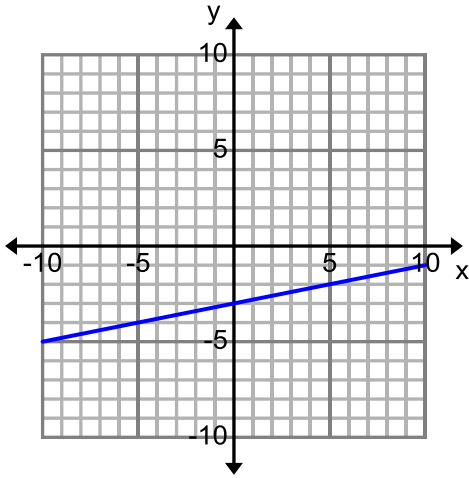
9. $(1, 1)$ and $(1, 7)$

6. $(-2, -3)$ and $(-2, 5)$

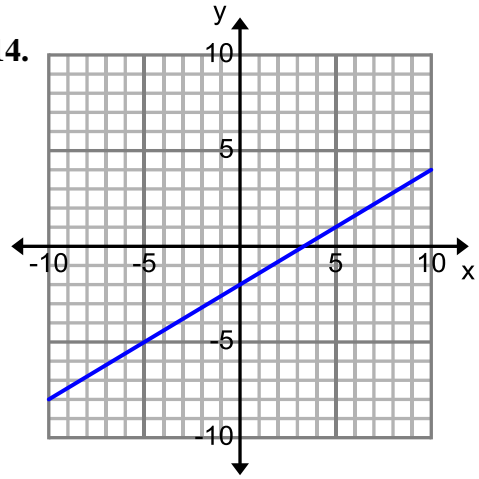
10. $(1, 2)$ and $(-4, -3)$

Write the equation in slope intercept form, of the graphed line.

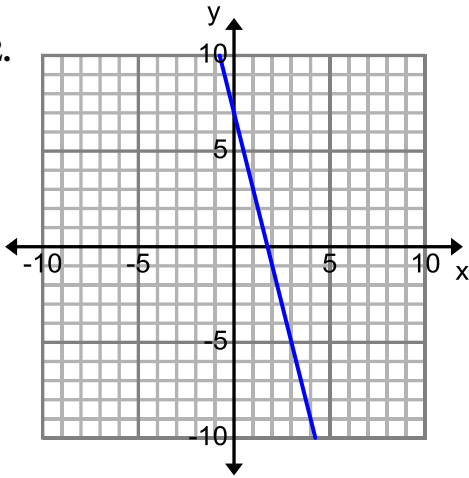
11.



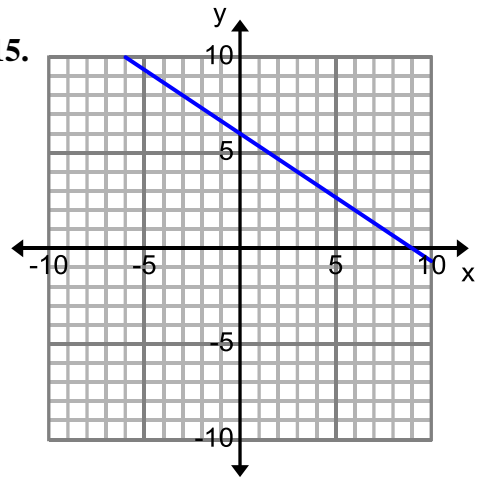
14.



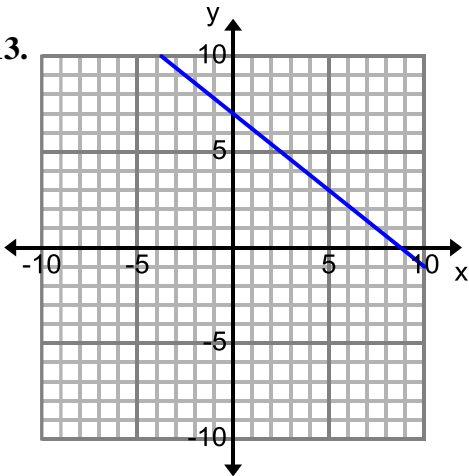
12.



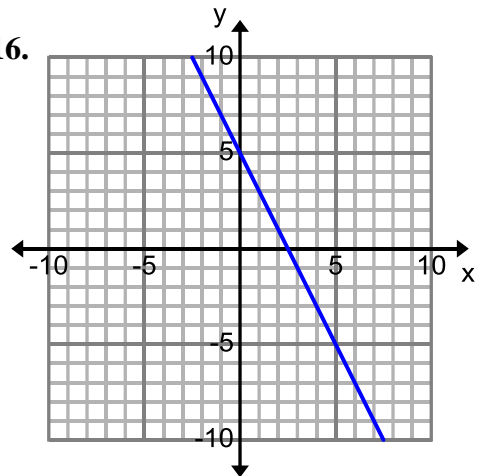
15.



13.



16.

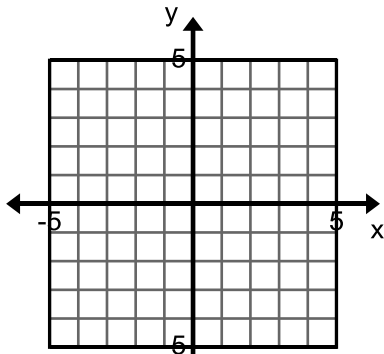


Identify the slope (m), y -intercept (b) and then graph the equation.

17. $y = 4x$

$m =$ _____

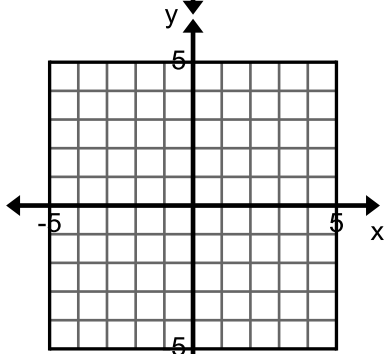
$b =$ _____



18. $y = 4$

$m =$ _____

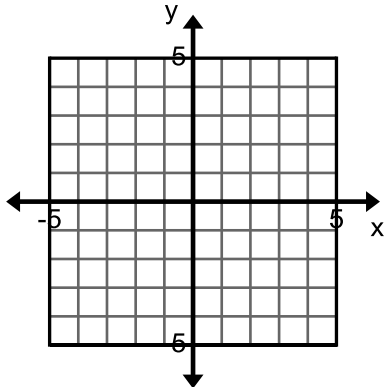
$b =$ _____



19. $y = -2x + 1$

$m =$ _____

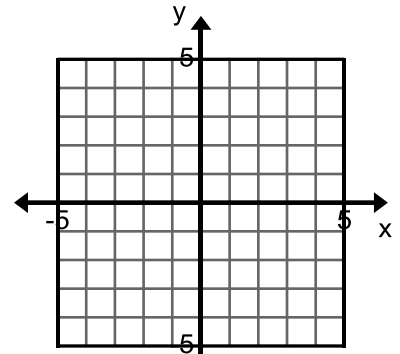
$b =$ _____



20. $x = -3$

$m =$ _____

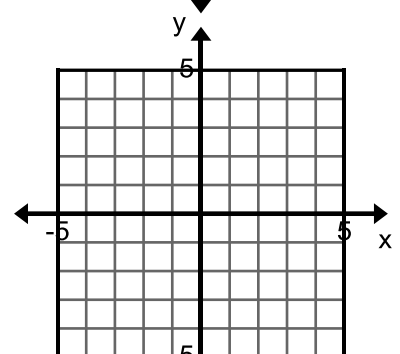
$b =$ _____



21. $y = -2x$

$m =$ _____

$b =$ _____



22. $y = -x$

$m =$ _____

$b =$ _____

