

Secondary Math 2
5-0 Review of Linear Equations:
Graphing & Writing Equations

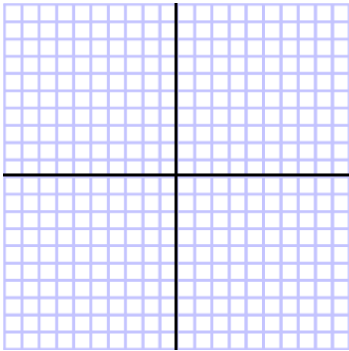
Name _____
Period _____

1. Define *linear*.
2. What is *slope-intercept* form?
3. What is *point-slope* form?
4. What do m and b represent?

Identify the slope and y-intercept, then graph the linear equation.

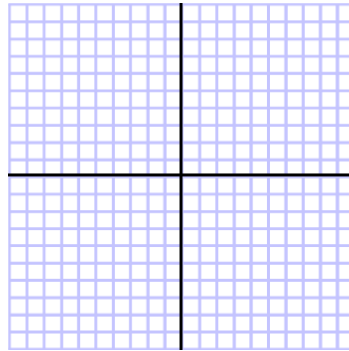
5. $f(x) = x - 5$

$m =$ _____ $b =$ _____



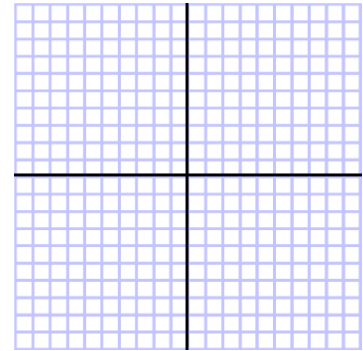
6. $g(x) = -2x + 3$

$m =$ _____ $b =$ _____



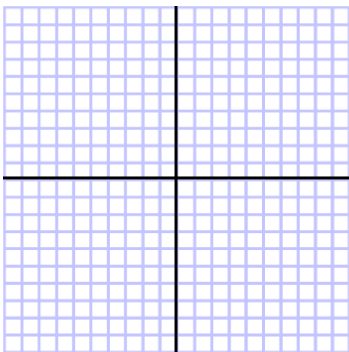
7. $h(x) = \frac{3}{2}x - 1$

$m =$ _____ $b =$ _____



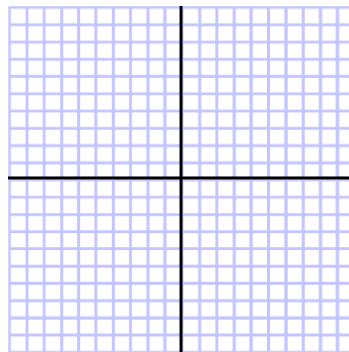
8. $f(x) = 2$

$m =$ _____ $b =$ _____



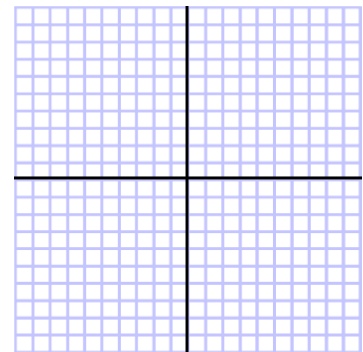
9. $x = -4$

$m =$ _____ $b =$ _____



10. $h(x) = \frac{-2}{1}x + 1$

$m =$ _____ $b =$ _____



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

11. $m=2, b=5$

12. $m=0, b=-3$

13. $m=-5, b=0$

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

14. $(0,0)$ & $(-3, 5)$

15. $(3, 0)$ & $(1, 5)$

16. $(-2, -2)$ & $(3, -3)$

17. $(5, 2)$ & $(5, -1)$

18. $(7, 7)$ & $(-4, -4)$

19. $(-6, 3)$ & $(1, 3)$

Write the equation for the graph.

