Name _____ Class _____ Date _____

Practice 6-2

Slope-Intercept Form

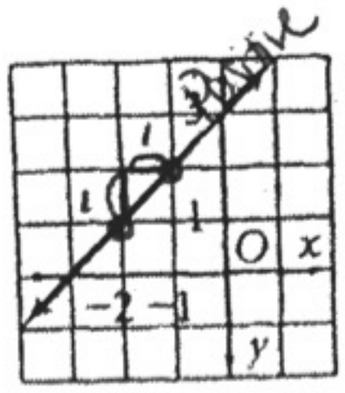
Find the slope and y-intercept of each equation.

1. $y = x + 2$ m=1 b=2
2. $y + 3 = -\frac{1}{3}x$
3. $y = 2x - 1$ m=2 b=-1
4. $y - \frac{3}{5}x = -1$
5. $y = \frac{1}{2}x - 4$ m=1/2 b=-4
6. $y - 2x = -3$
7. $y = \frac{2}{5}x + 3$ m=2/5 b=3
8. $y + \frac{1}{3}x = -2$
9. $y = -x - 2$ m=-1 b=-2
10. $y - 6 = -2x$
11. $y = -5x - 2$ m=-5 b=-2
12. $y + x = 0$
13. $y + 4 = 2x$ m=2 b=-4
14. $y = -5x + 5$
15. $y = -4 + x$ m=1 b=-4
16. $y = -4x$
17. $y = \frac{4}{5}x + 2$ m=4/5 b=2
18. $y - \frac{3}{4}x = -5$
19. $y = -6$ m=0 b=-6
20. $y - 3 = -\frac{2}{3}x$
21. $y = -\frac{7}{4}x + 6$ m=-7/4 b=6
22. $y + 3x = 6$
23. $y + \frac{1}{5}x = -2$ m=-1/5 b=-2
24. $y = \frac{3}{7}x$

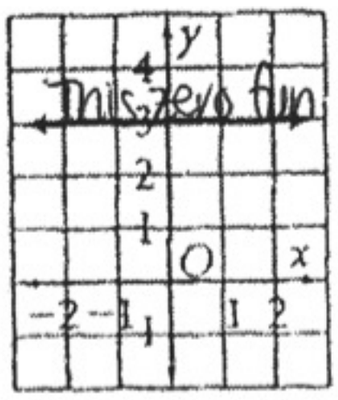
Write an equation of a line with the given slope and y-intercept.

25. $m = 4, b = 8$ y=4x+8
26. $m = -2, b = -6$
27. $m = \frac{4}{3}, b = 0$ y=4/3x
28. $m = -\frac{9}{5}, b = -7$
29. $m = -6, b = 1$ y=-6x+1
30. $m = \frac{5}{7}, b = -1$
31. $m = -\frac{1}{5}, b = -3$ y=-1/5x-3
32. $m = 9, b = 4$
33. $m = -8, b = 11$ y=-8x+11
34. $m = \frac{2}{9}, b = 0$
35. $m = -11, b = 13$ y=-11x+13
36. $m = -\frac{7}{2}, b = -6$

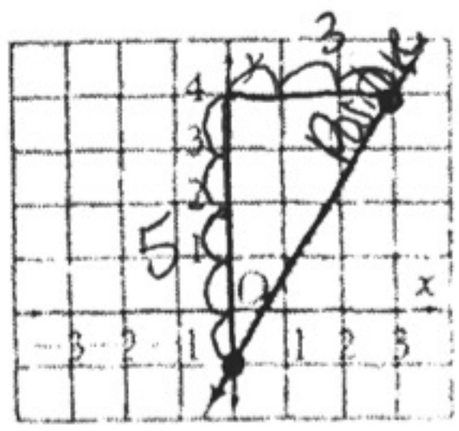
Write the slope

37. 

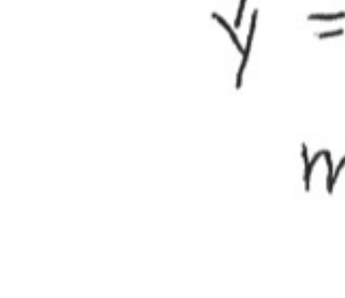
m=1/1 m=1

38. 

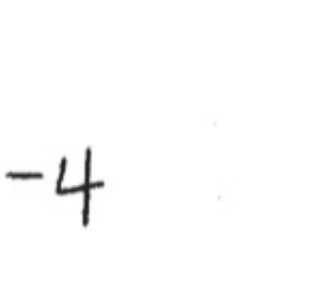
m=0

39. 

m=5/3

40. 

m=-2/1

41. 

m=5/1

42. 

m=1/2

(13) $y + 4 = 2x$

$y + 4 - 4 = 2x - 4$

$y = 2x - 4$

$y = mx + b$

$m = 2 \quad b = -4$

(15) $y = -4 + x$

$y = x - 4$

$m = 1 \quad b = -4$