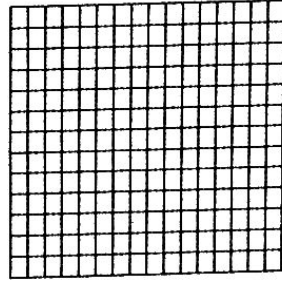
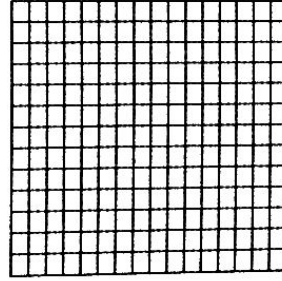


Practice 6-4 & 6-5**Linear Forms**Graph each equation using x - and y -intercepts.

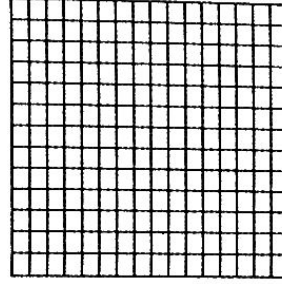
1. $x + y = 3$



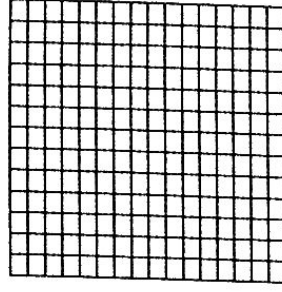
2. $x + 3y = -3$



3. $-2x + 3y = 6$



4. $5x - 4y = -20$



Write each equation in standard form using integers.

5. $y = \frac{5}{2}x - 22$

6. $y = \frac{7}{3}x + \frac{25}{3}$

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

8. $y = -6x - 38$

Write an equation in point-slope form for the line through the given points or through the given point with the given slope.

9. $(5, 7), (6, 8)$

10. $(-2, 3); m = -1$

12. $(1, 2), (3, 8)$

13. $(-2, 3); m = 4$

14. $(1, 2); m$ undefined

15. $(-6, 7); m = -\frac{1}{2}$

16. $(21, -2), (27, 2)$

17. $(7, 5); m = 0$

18. $(-3, 6), (3, -6)$ 19. $(11, 7), (9, 3)$ 20. $(2, 7); m = \frac{5}{2}$ 21. $(-9, 8); m = -\frac{5}{3}$

Is the relationship shown by the data linear? If it is, model the data with a slope-intercept equation.

22.

x	y
-3	4
-1	6
1	7
3	10

23.

x	y
-4	12
-1	8
5	-4
10	-8

24.

x	y
-2	5
3	-5
7	-13
11	-21

Write an equation of each line in standard form.

