

Practice 3-5

Equations, Tables, and Graphs

Use the equation $y = -2x + 1$. Complete each solution.

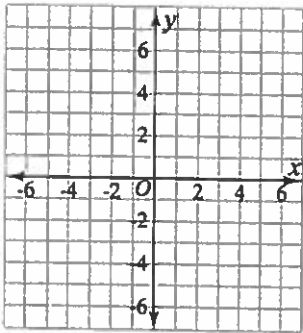
1. $(0, \underline{\quad})$ 2. $(-5, \underline{\quad})$ 3. $(20, \underline{\quad})$ 4. $(-68, \underline{\quad})$

5. Determine whether each ordered pair is a solution of $y = 3x - 8$.
 a. $(0, -8)$ _____ b. $(6, -10)$ _____ c. $(-2, -2)$ _____ d. $(4, 4)$ _____

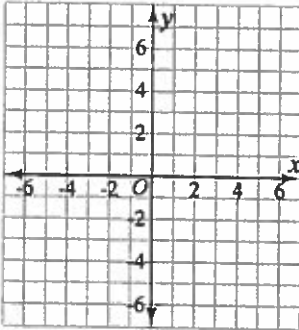
6. Determine whether each ordered pair is a solution of $y = -5x + 19$.
 a. $(-3, 4)$ _____ b. $(0, 19)$ _____ c. $(2, 9)$ _____ d. $(-4, 39)$ _____

Graph each linear equation.

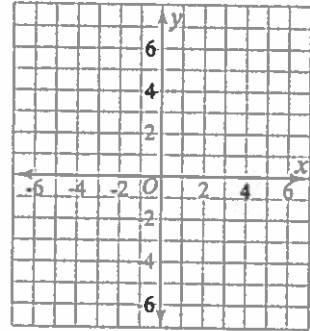
7. $y = -4x + 6$



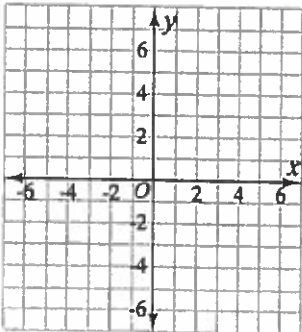
8. $y = \frac{5}{2}x - 5$



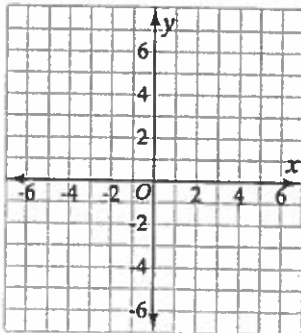
9. $y = -\frac{1}{2}x + 3$



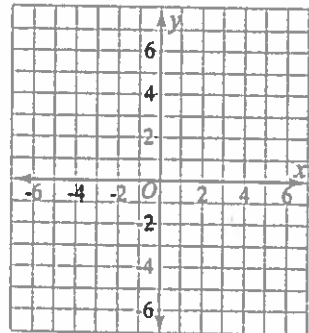
10. $y = \frac{1}{2}x - \frac{1}{2}$



11. $y = -2x + 7$



12. $y = -3x - 1$



13. Jan wants to buy maps for her trip. The maps cost \$2 each and she has \$25. Make a table and write an equation to represent the amount she will have left if she buys m maps.

Puzzle 3-5

Equations, Tables, and Graphs

Study the points below. Identify the set of points in each group that would not satisfy the same linear equation as the others.

1. (0, 1) (1, 0) (1, 1) (2, -1) (-1, 2)
2. (0, 8) (-4, 4) (6, 14) (5, 3) (-5, 3)
3. (2, 11) (0, 7) (3, 1) (-2, 11) (1, 5)
4. (1, 0) (3, 6) (4, 8) (2, 3) (0, -3)
5. (5, 4) (-1, -2) (2, 1) (0, -2) (4, 3)
6. (1, 0) (3, 4) (2, 3) (-1, -4) (0, -2)
7. (1, -2) (-3, 4) (2, 1) (3, 4) (-1, -8)
8. (1, 2) (0, 1) (2, 4) (5, 6) (3, 4)

Check your solutions. The correct solutions above will guide you through the maze from start to finish.

START	(1, 1)	(5, 3)	(0, 7)	(5, 4)	(4, 3)
(-1, 2)	(0, 1)	(2, 11)	(4, 8)	(0, -2)	(2, 3)
(1, 0)	(6, 14)	(0, -2)	(1, 5)	(-1, -4)	(-3, 4)
(0, 7)	(1, 5)	(5, 4)	(1, 0)	(5, 6)	(2, 4)
(0, -3)	(-1, -2)	(4, 3)	(2, 1)	(3, 4)	FINISH