




COLOSSAL CREATURE



What is the largest living thing in the world?

For each exercise, circle the coordinate pair that is a solution to the equation. The letters next to the ten solutions will spell out the two-word answer to the question.

 **Tip:** To determine if point (x, y) is a solution to a linear equation (i.e., is part of the graph), plug the x -value into the equation and solve for y ; if the y -values agree, the point is a solution. For example, point $(2, 1)$ is not a solution to line $y = x + 3$, because substituting 2 for x in the equation yields $y = 5$, not $y = 1$.

1. $y = 2x + 5$

(B) $(2, -1)$

(R) $(-2, 1)$

2. $y = -x - 5$

(E) $(6, -11)$

(A) $(-3, 4)$

3. $y = 7x + 8$

(M) $(1, -2)$

(D) $(-1, 1)$

4. $y = -3x - 6$

(L) $(4, 5)$

(W) $(-2, 0)$

5. $y = -4x + 9$

(O) $(1, 5)$

(G) $(-3, 4)$

6. $y = x + 5$

(O) $(-3, 2)$

(U) $(0, -5)$

7. $2x + 6y = 2$

(H) $(-3, -1)$

(D) $(1, 0)$

8. $-4x - 3y = 5$

(T) $(1, -3)$

(M) $(-3, -2)$

9. $x + 3y = 10$

(Y) $(2, 4)$

(R) $(-2, 4)$

10. $-x - y = 13$

(E) $(-6, -7)$

(S) $(6, 7)$

11. $y = 8x + 2$

(M) $(-1/2, 6)$

(E) $(1/2, 6)$



Answer: _____

Name _____

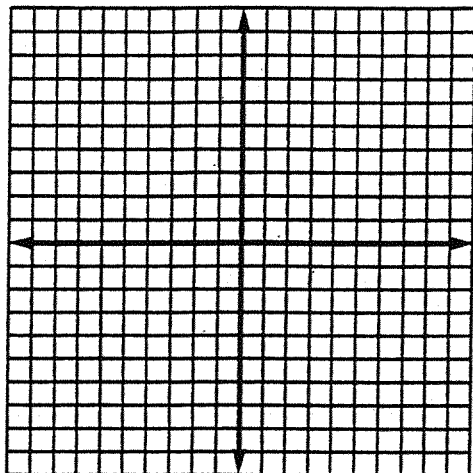
Graphing

Graphing Linear Equations

Graph each equation by plotting points.

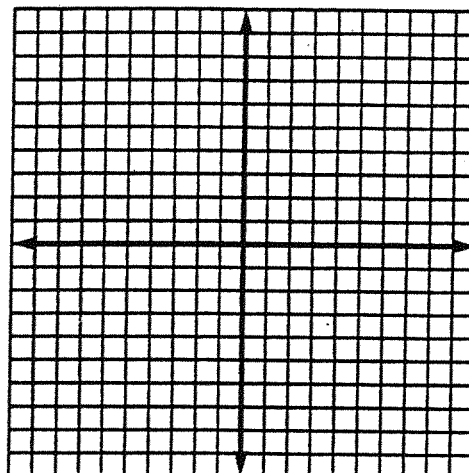
1. $y = x + 2$

x	y
-3	
2	
-2	



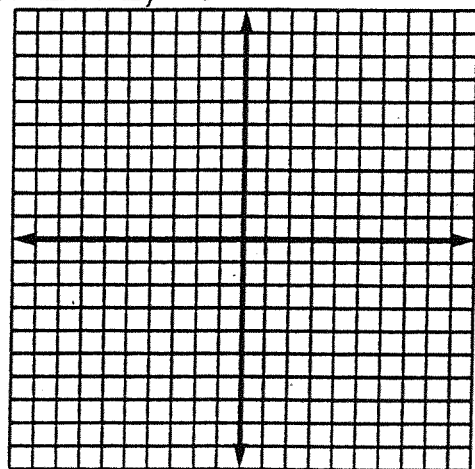
2. $y = 4x - 9$

x	y
4	
2	
0	



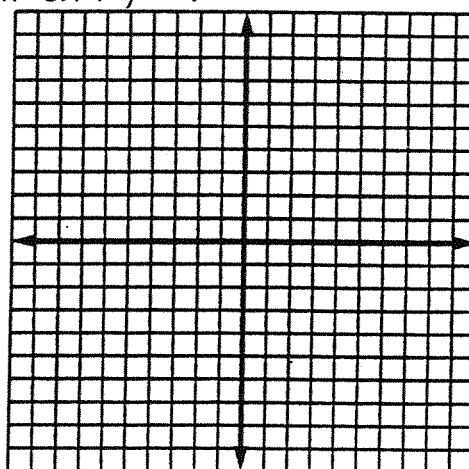
3. $2x + 2y = 8$

x	y
3	
-5	
-2	



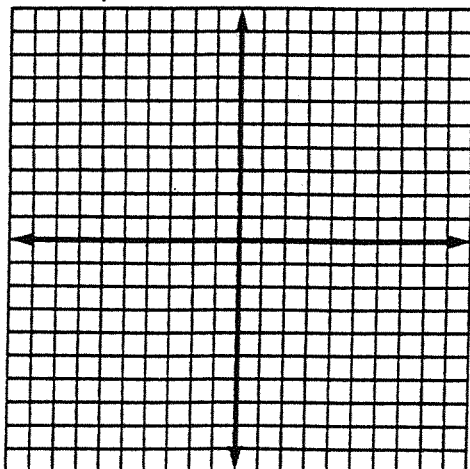
4. $3x + y = 9$

x	y
1	
3	
2	



5. $x + y = 6$

x	y
3	
-3	
2	



6. $y = 9 - x$

x	y
0	
4	
3	

