Name:

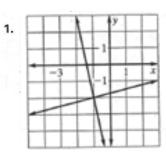
## Systems Review

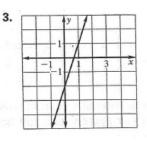
Match the graph with its linear system. Does the system have exactly one solution, no solution, or infinitely many solutions?

**A.** 
$$-2x + y = 6$$
  
 $-4x + 2y = -6$ 

**B.** 
$$x - 4y = 7$$
  
 $5x + y = -7$ 

**C.** 
$$-9x + 3y = -6$$
  
 $-3x + y = -2$ 





Use the substitution method or linear combinations to solve the linear system and tell how many solutions the system has.

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

$$3x + 3y = 12$$

7. -8x + 8y = -6

3x - 3y = 8

10. 6x - 4y = -6

$$5, y = 3x - 1$$

$$y = -2x + 4$$

8. 
$$-6x - 6y = -12$$

$$-2x - 2y = -4$$
  
11.  $3x - 2y = -5$ 

$$-9x + 6y = 15$$

$$6. \quad y = 4x$$

$$v = -3x$$

9. 
$$-4x - 2y = 2$$
  
 $4x - 2y = 18$ 

**12.** 
$$x + 3y = -3$$
  
 $\frac{1}{2}x + y = 1$