

NAME: \_\_\_\_\_

1. Solve by the elimination method:  $3x - 4y = 10$   
 $x + y = 1$

5. Solve by the elimination method:  $3x - 4y = 17$   
 $x + y = 1$

2. Solve by the elimination method:  $3x - 2y = 15$   
 $x + y = 0$

6. Solve by the elimination method:  $3x - 2y = 7$   
 $x + y = 4$

3. Solve by the elimination method:  $3x - 2y = 7$   
 $x + y = -1$

7. Which system has infinitely many solutions?

[A]  $2x - y = -2$   
 $x - 2y = 2$

[B]  $4x + 2y = 1$   
 $2x - y = 2$

[C]  $3x - 3y = 3$   
 $x - y = 1$

[D]  $x + y = -1$   
 $x - y = 1$

[E]  $2x - y = 2$   
 $2x + y = 2$

4. Solve by the elimination method:  $3x + 4y = 10$   
 $x + y = 3$

8. Compare the quantity in Column A with the quantity in Column B.

$$3x + 2y = 3$$

$$x + y = 2$$

Column A

Column B

$x$  - coordinate of solution       $y$  - coordinate of solution

- [A] The quantity in Column A is greater.      [B] The quantity in Column B is greater.  
[C] The two quantities are equal.  
[D] The relationships cannot be determined on the basis of the information supplied.

9. Solve the system using the method of elimination:

$$3x - 4y = -18$$

$$2x - y = -7$$

- [A] dependent (many solutions)      [B]  $(-2, 3)$       [C] inconsistent (no solution)      [D]  $(-2, -3)$

10. Solve the system using the method of elimination:

$$x + 4y = 11$$

$$2x + y = 8$$

- [A] inconsistent (no solution)      [B]  $(3, -2)$       [C] dependent (many solutions)      [D]  $(3, 2)$

[1] (2, -1)

[2] (3, -3)

[3] (1, -2)

[4] (2, 1)

[5] (3, -2)

[6] (3, 1)

[7] C

[8] B

[9] B

[10] D