

Name: \_\_\_\_\_ Period: \_\_\_\_\_

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## **HW 8-5: Solve Systems by Elimination**

**Solve the following systems using the Elimination Method.**

Make sure your answers are in the form  $(x, y)$ .

1.  $x + y = 2$   
 $2x - y = -5$

2.  $3x - y = -6$   
 $x + y = 10$

3.  $x - 3y = 3$   
 $-x + 4y = 1$

4.  $5x - y = 5$   
 $-5x + 2y = 0$

5.  $2x + y = -15$   
 $-x - y = 10$

6.  $-2x + y = -11$   
 $5x - y = 26$

7.  $2x - y = 13$   
 $x + y = 8$

8.  $2x - y = 12$   
 $3x + 2y = -3$

9.  $x + y = 3$   
 $-3x + 2y = -19$

10.  $2x + y = 8$   
 $5x - 2y = -16$

11.  $4x - 3y = -19$   
 $2x + y = 13$

12.  $4x + 3y = -28$   
 $5x - 6y = -35$

**Solve the following systems using the Elimination Method.**

Make sure your answers are in the form  $(x, y)$ .

13.  $2x + y = 4$   
 $-8x + 2y = 2$

14.  $x + y = 7$   
 $x + y = -3$

15.  $3x - y = -13$   
 $x - 2y = -1$

16.  $7x + 4y = 13$   
 $x + y = 1$

17.  $2x + 4y = -1$   
 $x + 8y = 1$

18.  $-x + 3y = 4$   
 $-2x + 6y = 8$

19.  $2x - 8y = 0$   
 $4x + 5y = 0$

20.  $2x - 5y = -19$   
 $-x + y = 2$