

## Unit 8 Spiral

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each system by elimination.**

1)  $-6x + y = -9$   
 $-12x - 10y = 18$

2)  $14x + 4y = 22$   
 $7x + 5y = -4$

3)  $-3x - 3y = 3$   
 $-12x - 12y = -12$

4)  $-x + 15y = -16$   
 $-8x + 5y = -13$

5)  $-12x - 8y = 0$   
 $-4x - 3y = 0$

6)  $10x + 3y = -21$   
 $2x - 8y = -30$

7)  $2x + 2y = 6$   
 $12x + 4y = 12$

8)  $-7x + 20y = -21$   
 $10x + 10y = 30$

9)  $-16x + 18y = 12$   
 $8x - 9y = -6$

10)  $4x - 12y = 28$   
 $5x - 4y = -20$

**Solve each system by substitution.**

11)  $x - 3y = 0$   
 $3x - 9y = 6$

12)  $3x - 5y = 6$   
 $-3x + y = 6$

13)  $-5x + y = 3$   
 $6x - 7y = 8$

14)  $-2x + y = -4$   
 $-2x + 3y = -20$

15)  $-x + 8y = 10$   
 $2x + y = -3$

16)  $4x - 7y = -19$   
 $x + 7y = 4$

17)  $-6x + 8y = 18$   
 $-7x + y = -4$

18)  $-2x + y = -6$   
 $7x - 5y = 18$

19)  $-7x + 6y = -12$   
 $x + 3y = 21$

20)  $-3x + y = 22$   
 $2x + 5y = -9$