

## 3.2b Solving Systems by Elimination

Name \_\_\_\_\_

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Date \_\_\_\_\_ Hour \_\_\_\_\_

**Solve each system by elimination.**

1)  $4x - 5y = 12$   
 $-4x + 5y = -10$

2)  $-5x + 5y = -25$   
 $4x - 5y = 15$

3)  $-9x - 10y = 20$   
 $-7x - 10y = 20$

4)  $-6x + 2y = -22$   
 $4x + 2y = 28$

5)  $16x - 8y = -16$   
 $8x - 7y = 16$

6)  $-6x + y = -15$   
 $-12x + 2y = -30$

7)  $-3x - 5y = 17$   
 $4x - 6y = 28$

8)  $3x - 10y = 21$   
 $2x - 4y = 6$

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Name \_\_\_\_\_

Date \_\_\_\_\_ Hour \_\_\_\_\_

**Solve each system by elimination.**

1)  $4x - 5y = 12$   
 $-4x + 5y = -10$

**No solution**

2)  $-5x + 5y = -25$   
 $4x - 5y = 15$

**(10, 5)**

3)  $-9x - 10y = 20$   
 $-7x - 10y = 20$

**(0, -2)**

4)  $-6x + 2y = -22$   
 $4x + 2y = 28$

**(5, 4)**

5)  $16x - 8y = -16$   
 $8x - 7y = 16$

**(-5, -8)**

6)  $-6x + y = -15$   
 $-12x + 2y = -30$

**Infinite number of solutions**

7)  $-3x - 5y = 17$   
 $4x - 6y = 28$

**(1, -4)**

8)  $3x - 10y = 21$   
 $2x - 4y = 6$

**(-3, -3)**