

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

## Systems of Equations - Elimination Method

L1S1

Solve each system of equations using elimination method.

1)  $2x + 5y = 20$   
 $6x - 5y = 12$

\_\_\_\_\_

2)  $3p + 4q = -3$   
 $-p + 4q = -15$

\_\_\_\_\_

3)  $-7a + 3b = 15$   
 $7a - 6b = -3$

\_\_\_\_\_

5)  $5r + 8s = 3$   
 $4r + 8s = -4$

\_\_\_\_\_

7)  $m - 4n = 13$   
 $m - 6n = 12$

\_\_\_\_\_

8)  $3s + 7t = 18$   
 $3s - 4t = -48$

\_\_\_\_\_

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**Systems of Equations - Elimination Method**

Solve each system of equations using elimination method.

$$\begin{aligned} 1) \quad & 2x + 5y = 20 \\ & 6x - 5y = 12 \end{aligned}$$

$$\underline{\underline{\left(4, \frac{12}{5}\right)}}$$

$$\begin{aligned} 2) \quad & 3p + 4q = -3 \\ & -p + 4q = -15 \end{aligned}$$

$$\underline{\underline{(3, -3)}}$$

$$\begin{aligned} 3) \quad & -7a + 3b = 15 \\ & 7a - 6b = -3 \end{aligned}$$

$$\underline{\underline{\left(-\frac{27}{7}, -4\right)}}$$

$$\begin{aligned} 5) \quad & 5r + 8s = 3 \\ & 4r + 8s = -4 \end{aligned}$$

$$\underline{\underline{(7, -4)}}$$

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$$\begin{aligned} 7) \quad & m - 4n = 13 \\ & m - 6n = 12 \end{aligned}$$

$$\underline{\underline{\left(15, \frac{1}{2}\right)}}$$

$$\begin{aligned} 8) \quad & 3s + 7t = 18 \\ & 3s - 4t = -48 \end{aligned}$$

$$\underline{\underline{(-8, 6)}}$$