

FLUENCY PRACTICE: System of Equations

Name: _____

Period: _____

Directions: Solve each system of equations by either substitution or elimination. **Show all work!!!**

1. $5x + 3y = 64$
 $y = \frac{3}{4}x + 2$

2. $y = \frac{3}{4}x + 6$
 $3x - 4y = 30$

3. $4x + 7y = 23$
 $8x + 3y = -9$

4. $2x + 3y = 9$
 $y = -\frac{2}{3}x + 3$

5. $y = -\frac{1}{2}x - 3$
 $y = \frac{3}{4}x + 7$

6. $7x - 2y = -5$
 $x - 5y = 37$

$$7. \quad \begin{aligned} x - 4y &= 12 \\ y &= \frac{1}{4}x - 2 \end{aligned}$$

$$8. \quad \begin{aligned} 2x + 9y &= 71 \\ 4x - 3y &= -5 \end{aligned}$$

$$9. \quad \begin{aligned} 4x + 6y &= 36 \\ y &= -\frac{2}{3}x + 6 \end{aligned}$$

$$10. \quad \begin{aligned} y &= \frac{3}{4}x - 3 \\ 5x + 2y &= -58 \end{aligned}$$