

FLUENCY PRACTICE: Systems of Equations – Substitution

Name: _____

Period: _____

Directions: Find the intersection of each pair of lines. **Show all work.**

1. $y = \frac{1}{6}x + 3$
 $y = \frac{2}{3}x + 9$

2. $y = \frac{1}{2}x + 3$
 $3x + 2y = 30$

3. $y = 4x - 6$
 $2x + y = 12$

4. $y = \frac{2}{3}x + 9$
 $y = -2x - 7$

5. $y = 3x + 15$
 $y = -2x - 5$

6. $y = 5x - 4$
 $3x - y = 8$

7. $y = \frac{3}{2}x - 6$
 $y = \frac{2}{5}x + 5$

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

9. $y = \frac{3}{4}x + 4$
 $2x - 5y = -6$

10. $y = -3x + 10$
 $y = 2x - 15$