



Math on the Fly!



NAME: _____ DATE: _____

Systems of Equations

Solve each system below using the substitution method.

1. $y = x + 1$
 $2x + 3y = 8$

2. $x = y - 4$
 $x - 2y = -7$

3. $y = 2x - 1$
 $3x - y = 0$

4. $x = -3y + 1$
 $-2x + 3y = -11$

5. $y = 4x + 2$
 $y = -5x - 7$

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

Solve each system below using the elimination method.

7. $x - 5y = 7$
 $2x + 5y = -1$

8. $-8x + 3y = 4$
 $6x - 2y = -2$

9. $-6x - y = 8$
 $3x + 4y = 10$

10. $7x - 2y = -20$
 $-7x - 3y = 5$

11. $5x + 4y = 8$
 $4x + 6y = 12$

12. $x + y = -5$
 $2x - 6y = 6$

SOLUTIONS

1. $(1,2)$

2. $(-1,3)$

3. $(-1,-3)$

4. $(4,-1)$

5. $(-1,-2)$

6. $(0,-3)$

7. $(2,-1)$

8. $(1,4)$

9. $(-2,4)$

10. $(-2,3)$

11. $(0,2)$

12. $(-3,-2)$