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

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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)