

Name : _____

Score : _____ Date : _____

Solving Systems of Equations by Elimination

Solve each system by elimination.

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

2 $x - y = 11$
 $2x + y = 19$

3 $2x + 5y = 6$
 $-x + 2y = 3$

4 $-4x - 2y = -12$
 $4x + 8y = -24$

5 $5y = 7x + 7$
 $3x - 5y = -3$

6 $4x - 5y = 9$
 $-4x + 8y = -24$

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

8 $2x + 2y = -2$
 $3x - 2y = 12$

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Answers

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

$x = 6, y = 4$

3 $2x + 5y = 6$
 $-x + 2y = 3$

$x = -\frac{1}{3}, y = \frac{4}{3}$

5 $5y = 7x + 7$
 $3x - 5y = -3$

$x = -1, y = 0$

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

$x = -2, y = -4$

2 $x - y = 11$
 $2x + y = 19$

$x = 10, y = -1$

4 $-4x - 2y = -12$
 $4x + 8y = -24$

$x = 10, y = -1$

6 $4x - 5y = 9$
 $-4x + 8y = -24$

$x = -4, y = -5$

8 $2x + 2y = -2$
 $3x - 2y = 12$

$x = 2, y = -3$