

Name : _____

Score : _____ Date : _____

Solving Systems of Equations - Elimination with Multiplication

Solve each system by elimination.

① $-6x - 8y = -28$
 $9x + 5y = -14$

② $-9x + 3y = 27$
 $-3x + 4y = 27$

③ $-30x + 4y = 2$
 $15x - 12y = -81$

④ $-5x + 5y = -25$
 $3x + 2y = 10$

⑤ $-6x = 18 - y$
 $9 = -3x - 8y$

⑥ $10x + 12y = -26$
 $-6x + 6y = -24$

⑦ $18x - 6y = 30$
 $-9x - y = -19$

⑧ $3x - 5y = -17$
 $2x + 15y = 7$

Name : _____

Score : _____ Date : _____

Solving Systems of Equations - Elimination with Multiplication

Answers

① $-6x - 8y = -28$
 $9x + 5y = -14$

$x = -6, y = 8$

② $-9x + 3y = 27$
 $-3x + 4y = 27$

$x = -1, y = 6$

③ $-30x + 4y = 2$
 $15x - 12y = -81$

$x = 1, y = 8$

④ $-5x + 5y = -25$
 $3x + 2y = 10$

$x = 4, y = -1$

⑤ $-6x = 18 - y$
 $9 = -3x - 8y$

$x = -3, y = 0$

⑥ $10x + 12y = -26$
 $-6x + 6y = -24$

$x = 1, y = -3$

⑦ $18x - 6y = 30$
 $-9x - y = -19$

$x = 2, y = 1$

⑧ $3x - 5y = -17$
 $2x + 15y = 7$

$x = -4, y = 1$