Name : _____

Score : _____ Date : _____

MATH MONKS

Solving Systems of Equations by Addition

Solve each system by addition.

① $x - 3y = 7$
$3x + 3y = -3$

② $6x - 12y = 24$
$-x + 6y = 4$

③ $3x - 4y = 8$
$5x + 4y = -24$

④ $-6x + 6y = 6$
$6x + 3y = -12$

⑤ $-4x - 2y = 14$
$-10x + 7y = -25$

⑥ $-x + 3y = 6$
$2x - y = 8$

⑦ $x + 10y = 3$
$4x + 5y = 5$

⑧ $2x + 8y = 6$
$-5x - 20y = -15$

Name : _____

Score : _____ Date : _____

MATH MONKS

Solving Systems of Equations by Addition

Answer.

① $x - 3y = 7$
$3x + 3y = -3$

$(4 , -1)$

② $6x - 12y = 24$
$-x + 6y = 4$

$(2 , -1)$

③ $3x - 4y = 8$
$5x + 4y = -24$

$(-2 , \frac{7}{2})$

④ $-6x + 6y = 6$
$6x + 3y = -12$

$(5 , 6)$

⑤ $-4x - 2y = 14$
$-10x + 7y = -25$

$(-1 , -5)$

⑥ $-x + 3y = 6$
$2x - y = 8$

$(6 , 4)$

⑦ $x + 10y = 3$
$4x + 5y = 5$

$(1 , \frac{1}{5})$

⑧ $2x + 8y = 6$
$-5x - 20y = -15$

(Infinite Solutions)