Algebra I Systems by Elimination

(I) Same Coefficients

1) $2x + 3y = 7$
$-2x + y = 5$

2) $3x + y = 6$
$3x - 2y = 9$

3) $x + y = -3$
$x - y = 1$

4) $-4x - y = 9$
$4x + 2y = -10$

5) $x + 6y = 48$
$-x + y = 8$

6) $x - 2y = 5$
$-3x + 2y = -9$

7) $0.2x + 2y = -10$
$2x + 2y = -10$

8) $3x - 9y = -51$
$3x - 7y = -37$

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(II) Different Coefficients - Multiply One Equation

1) $2x + 5y = -1$
$x + 2y = 0$

2) $3x + 6y = 6$
$2x - 3y = 4$

3) $4x - y = 6$
$3x + 2y = 21$

4) $8x - 9y = 19$
$4x + y = -7$

5) $-x + 8y = -32$
$3x - y = 27$

6) $7x + 3y = 25$
$-2x - y = -8$

7) $x + 8y = 28$
$-3x + 5y = 3$

8) $-6x + 12y = 120$
$5x - 6y = -48$

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(III) Different Coefficients - Multiply Two Equations

1) $4x - 3y = 11$
$3x - 5y = -11$

2) $3x + 8y = 81$
$5x - 6y = -39$

3) $6x + 3y = 27$
$-4x + 7y = 27$

4) $5x + 9y = 112$
$3x - 2y = 8$

5) $2x - 7y = 9$
$8x + 5y = 69$

6) $3x + 5y = 18$
$12x - 3y = 3$

7) $5x - 6y = 48$
$2x + 5y = -3$

8) $4x - 3y = 17$
$5x + 4y = 60$