

ALGEBRA: Solving simultaneous linear equations with two unknowns

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Date:

Name:

Solve the following simultaneous equations

[1]

$$x + 2y = 5$$

$$x + 4y = 7$$

[2]

$$x + 4y = 34$$

$$x + 3y = 26$$

[3]

$$x + 2y = 2$$

$$x + 3y = -1$$

[4]

$$x + 3y = 10$$

$$x + 4y = 11$$

[5]

$$x + 2y = 13$$

$$x + 4y = 21$$

[6]

$$3x + 5y = 29$$

$$x + 3y = 15$$

[7]

$$2x + 3y = 11$$

$$4x + 5y = 25$$

[8]

$$x + y = 10$$

$$x - y = 6$$

[9]

$$2x + 2y = 2$$

$$5x - 4y = 41$$

[10]

$$4x - 5y = 44$$

$$4x + 3y = 12$$

[11]

$$x + y = 3$$

$$x - y = -7$$

[12]

$$x + y = 5$$

$$x - y = 5$$

ANSWERS

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Solve the following simultaneous equations

[1] $x = 3$ $y = 1$

[2] $x = 2$ $y = 8$

[3] $x = 8$ $y = -3$

[4] $x = 7$ $y = 1$

[5] $x = 5$ $y = 4$

[6] $x = 3$ $y = 4$

[7] $x = 10$ $y = -3$

[8] $x = 8$ $y = 2$

[9] $x = 5$ $y = -4$

[10] $x = 6$ $y = -4$

[11] $x = -2$ $y = 5$

[12] $x = 5$ $y = 0$