ALGEBRA: Solving simultaneous linear equations with two unknowns

Date: **Name:**

Solve the following simultaneous equations

[1]

$x + 2y = 13$

$x + 4y = 21$

[2]

$2x + 4y = 42$

$x + 2y = 21$

[3]

$3x + 2y = 17$

$9x + 3y = 57$

[4]

$x + y = 17$

$x - y = 9$

[5]

$2x + 3y = -23$

$3x - 6y = 18$

[6]

$4x - 5y = -12$

$3x + 4y = -40$

[7]

$2x + 4y = -34$

$y = x + 4$

[8]

$5x + 2y = -9$

$y = 2x - 9$

[9]

$2y = 5x + 45$

$4x - 4y = 8$

[10]

$6x - 6y = 0$

$4y = 4x - 0$

[11]

$5y = 2x - (9)$

$4x - 2y = 10$

[12]

$5y = 3x - (11)$

$5x - 2y = 12$

[13]

$5x + 2y + 9 = 47$

$4x - 2y = 16$

[14]

$5x - 5y + 14 = 34$

$10x - 5y = 60$

[15]

$2x - 5y - 14 = -4$

$10x + 5y = 110$

[16]

$3x - 6y - 17 = -2$

$12x - 6y = 114$

ANSWERS

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http://www.learnersgrid.com

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Solve the following simultaneous equations

[1]
x = 5 y = 4

[2]
x = 3 y = 9

[3]
x = 7 y = -2

[4]
x = 13 y = 4

[5]
x = -4 y = -5

[6]
x = -8 y = -4

[7]
x = -3 y = -7

[8]
x = 3 y = -3

[9]
x = 7 y = 5

[10]
x = 8 y = 8

[11]
x = 2 y = -1

[12]
x = 2 y = -1

[13]
x = 6 y = 4

[14]
x = 8 y = 4

[15]
x = 10 y = 2

[16]
x = 11 y = 3