# ALGEBRA: Solving simultaneous linear equations with two unknowns

**Date:**          **Name:**

*Solve the following simultaneous equations*

**[1]**

$$x + 3y = 8$$

$$x + 5y = 12$$

**[2]**

$$x + 4y = 23$$

$$x + 3y = 18$$

**[3]**

$$x + 3y = -11$$

$$x + 5y = -21$$

**[4]**

$$x + 3y = 16$$

$$x + 4y = 20$$

**[5]**

$$x + 3y = 13$$

$$x + 4y = 16$$

**[6]**

$$2x + 4y = 26$$

$$x + 2y = 13$$

**[7]**

$$3x + 2y = 11$$

$$6x + 3y = 24$$

**[8]**

$$x + y = 10$$

$$x - y = 0$$

**[9]**

$$3x + 2y = 14$$

$$2x - 4y = 20$$

**[10]**

$$5x - 6y = 50$$

$$4x + 5y = -9$$

**[11]**

$$x + y = 2$$

$$x - y = -2$$

**[12]**

$$x + y = 4$$

$$x - y = 4$$

# ANSWERS
## ALGEBRA: Solving simultaneous linear equations with two unknowns

*http://www.learnersgrid.com*

**Date:**                    **Name:**

*Solve the following simultaneous equations*

**[1]**
   x = 2   y = 2

**[2]**
   x = 3   y = 5

**[3]**
   x = 4   y = -5

**[4]**
   x = 4   y = 4

**[5]**
   x = 4   y = 3

**[6]**
   x = 5   y = 4

**[7]**
   x = 5   y = -2

**[8]**
   x = 5   y = 5

**[9]**
   x = 6   y = -2

**[10]**
   x = 4   y = -5

**[11]**
   x = 0   y = 2

**[12]**
   x = 4   y = 0