

AQA, OCR, Edexcel

GCSE

GCSE Maths

**Simultaneous Equations
(Linear) Questions**

Name:

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Mathsmadeeasy.co.uk

Total Marks: /18

Simultaneous Equations

1. Solve the following simultaneous equations:

$$2x - 5y = 11$$

$$x - 4y = 4$$

$$x = 8, y = 1$$

(2 Marks)

2. Solve the following simultaneous equations:

$$4x + 4y = 56$$

$$2x - y = 7$$

$$x = 7, y = 7$$

(2 Marks)

3. Solve the following simultaneous equations:

$$5x + 3y = 16$$

$$4x + 4y = 24$$

$$x = -1, y = 7$$

(2 Marks)

4. Solve the following simultaneous equations:

$$7x - 3y = 40$$

$$3x - y = 18$$

$$x = 7, y = 3$$

(2 Marks)

5. Solve the following simultaneous equations

$$3x + 2y = 25$$

$$3x - 4y = -5$$

$$x = 5, y = 5$$

(2 Marks)

6. Solve the following simultaneous equations:

$$4\left(x + \frac{y}{4}\right) = 38$$

$$5(x + y) = 70$$

$$x = 8, y = 6$$

(3 Marks)

7. Solve the following simultaneous equations:

$$\frac{4(2x + y)}{4} = \frac{38}{2}$$

$$\frac{5(x + y)}{4} = \frac{70}{3}$$

$$x = \frac{1}{3}, y = \frac{55}{3}$$

(5 Marks)