

AQA, OCR, Edexcel

GCSE

GCSE Maths

Simultaneous Equations Hard Questions

Name:

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Mathsmadeeasy.co.uk

Total Marks: /26

Simultaneous Equations

1. Solve

$$4x + 3y = 11$$

$$2x + y = 3$$

(3 Marks)

2. Solve

$$6x + 20y = 22$$

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

(3 Marks)

3. Solve

$$2x - 5y = 22$$

$$2y - 3x = -11$$

(3 Marks)

4. Solve

$$6x + 2y = 19$$

$$2x + 8y = 43$$

(4 Marks)

5. Solve

$$x - y = 1$$

$$x^2 + y^2 = 25$$

(4 Marks)

6. Solve

$$y = x^2 - 1$$

$$y = 5 - x$$

(4 Marks)

7. Find the coordinates of the point of intersection between the two curves with equations:

$$x^2 + y^2 = 64$$

$$y = 2x + 6$$

(5 Marks)