

Simultaneous equations

Difficulty: Easy

Question Paper 2

Level	AS & A Level
Subject	Maths - Pure
Exam Board	Edexcel
Topic	Equations and inequalities
Sub-Topic	Simultaneous equations
Difficulty	Easy
Booklet	Question Paper 2

Time allowed: 32 minutes

Score: /27

Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E	U
>76%	61%	52%	42%	33%	23%	<23%

Question 1

Solve the simultaneous equations

$$\begin{aligned}x + y &= 2 \\4y^2 - x^2 &= 11\end{aligned}\quad (7)$$

(Total 7 marks)

Question 2

Solve the simultaneous equations

$$\begin{aligned}x - 2y - 1 &= 0 \\x^2 + 4y^2 - 10x + 9 &= 0\end{aligned}\quad (7)$$

(Total 7 marks)

Question 3

Solve the simultaneous equations

$$y - 2x - 4 = 0$$

$$4x^2 + y^2 + 20x = 0 \quad (7)$$

(Total 7 marks)

Question 4

Solve the simultaneous equations

$$y + 4x + 1 = 0$$

$$y^2 + 5x^2 + 2x = 0 \quad (6)$$

(Total 6 marks)