

Simultaneous Linear Equations

26 marks

1. Solve the simultaneous equations

$$\begin{aligned}2x + 3y &= 6 \\3x - 2y &= 22\end{aligned}$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(Total 4 marks)

2. Solve

$$\begin{aligned}2x - 3y &= 11 \\5x + 2y &= 18\end{aligned}$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(Total 4 marks)

3. Solve the simultaneous equations

$$2x + 3y = -3$$

$$3x - 2y = 28$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(Total 4 marks)

4. Solve the simultaneous equations

$$6x - 2y = 33$$

$$4x + 3y = 9$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(Total 4 marks)

5. Solve

$$x + 2y = 4$$

$$3x - 4y = 7$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(Total 3 marks)

6. Solve the simultaneous equations.

$$5a + 3b = 9$$

$$2a - 3b = 12$$

$$a = \dots\dots\dots$$

$$b = \dots\dots\dots$$

(Total 3 marks)

7. Solve the simultaneous equations

$$3x + 7y = 26$$

$$4x + 5y = 13$$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

(Total 4 marks)