

1 Solve the simultaneous equations

$$3x + 4y = 5$$

$$2x - 3y = 9$$

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

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

(Total for Question 1 is 4 marks)

2 Solve

$$2x + 3y = \frac{2}{3}$$

$$3x - 4y = 18$$

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

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

(Total for Question 2 is 4 marks)

3 Solve the simultaneous equations

$$4x + y = 25$$

$$x - 3y = 16$$

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

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

(Total for Question 3 is 3 marks)

4 Solve the simultaneous equations

$$5x + 2y = 11$$

$$4x - 3y = 18$$

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

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

(Total for Question 4 is 4 marks)

5 Solve the simultaneous equations

$$3x + 2y = 4$$

$$4x + 5y = 17$$

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

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

(Total for Question 5 is 4 marks)

6 Solve the equations

$$3x + 5y = 19$$

$$4x - 2y = -18$$

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

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

(Total 4 marks)

7 Solve the simultaneous equations

$$3x + 2y = 8$$

$$2x + 5y = -2$$

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

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

(Total 4 marks)

8 Solve the simultaneous equations

$$\begin{aligned}4x + y &= 10 \\ 2x - 3y &= 19\end{aligned}$$

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

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

(Total 3 marks)

9 Solve the simultaneous equations

$$\begin{aligned}4x + 7y &= 1 \\ 3x + 10y &= 15\end{aligned}$$

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

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

(Total for Question 9 is 4 marks)

10 Solve the equations

$$\begin{aligned}x^2 + y^2 &= 36 \\x &= 2y + 6\end{aligned}$$

(Total for Question 10 is 5 marks)
