JustMaths

SIMULTANEOUS EQUATIONS

Name: _____

Total Marks: _____

Q.	Max	Actual	RAG
1	4		
2	4		
3	4		
4	4		
5	4		
6	4		
7	3		
8	6		
9	4		
10	4		
11	4		
12	4		

Q1. Solve the simultaneous equations

$3x + 2y = 4$

$4x + 5y = 17$

$x =$ .....

$y =$ ..... (4 Marks)

Q2. Solve the simultaneous equations

$5x + 2y = 5$

$7x + 3y = 9$

$x =$ .....

$y =$ ..... (4 Marks)

Q3. Solve the simultaneous equations

$3x + 2y = 4$

$4x + 5y = 17$

$x =$ .....

$y =$ .....

(4 Marks)

Q4. Solve the simultaneous equations

$5x + 2y = 5$

$7x + 3y = 9$

$x =$ .....

$y =$ .....

(4 Marks)

Q5. Solve the simultaneous equations using an algebraic (not graphical) method

$3x + 5y = 9$

$4x + 3y = 23$

$x =$ .....

$y =$ ..... (4 Marks)

Q6. Solve the simultaneous equations using an algebraic (not graphical) method

$7x + 2y = 2$

$2x - 5y = 34$

$x =$ .....

$y =$ ..... (4 Marks)

Q7. Solve the simultaneous equations using an algebraic (not graphical) method

$4x + y = 10$

$2x - 3y = 19$

x = ...

y = ... (3 Marks)

Q8. Solve the simultaneous equations

$x + y = 4$

$x^2 + y^2 = 40$

x = ... y =.....OR.

x= ..... y = ... (6 Marks)

Q9. Solve the simultaneous equations

$4x - 3y = 11$

$10x + 2y = -1$

$x =$ .....

$y =$ ..... (4 Marks)

Q10. Solve the simultaneous equations

$3x + 4y = 200$

$2x + 3y = 144$

$x =$ .....

$y =$ ..... (4 Marks)

Q11. Solve the simultaneous equations

$6x + 2y = -3$

$4x - 3y = 11$

$x =$ .....

$y =$ ..... (4 Marks)

Q12. Solve the simultaneous equations

$3x + 2y = 8$

$2x + 5y = -2$

$x =$ .....

$y =$ ..... (4 Marks)