

Mathsbase Exam Questions sim equations

1) Solve the simultaneous equations (Total for Question 1 is 5 marks) $x =$
..... $y =$ $x^2 + y^2 = 10$ $4x = 3 - y$

Answer: _____

2) Solve the simultaneous equations (Total for Question 2 is 5 marks) $x =$
..... $y =$ $2x^2 + y^2 = 15$ $x + 2y = 10$

Answer: _____

3) Solve the simultaneous equations (Total for Question 3 is 5 marks) $x =$
..... $y =$ $3x^2 + 2y = 20$ $y = x + 3$

Answer: _____

4) Solve the simultaneous equations (Total for Question 4 is 5 marks) $x =$
..... $y =$ $x^2 + 2y = 15$ $2x + y = 12$

Answer: _____

5) Solve the simultaneous equations (Total for Question 5 is 5 marks) $x =$
..... $y =$ $3x^2 - y = 7$ $x - 2y = 5$

Answer: _____

6) Solve the simultaneous equations (Total for Question 6 is 5 marks) $x =$
..... $y =$ $2x^2 + 3y = 25$ $x - y = 3$

Answer: _____

7) Solve the simultaneous equations (Total for Question 7 is 5 marks) $x =$
..... $y =$ $4x^2 + y = 18$ $3x - y = 8$

Answer: _____

8) Solve the simultaneous equations (Total for Question 8 is 5 marks) $x =$
..... $y =$ $4x^2 + 2y = 22$ $2x + 3y = 8$

Answer: _____

9) Solve the simultaneous equations (Total for Question 9 is 5 marks) $x =$
..... $y =$ $2x^2 - y = 12$ $x + 2y = 4$

Answer: _____

10) Solve the simultaneous equations (Total for Question 10 is 5 marks) $x =$
..... $y =$ $3x^2 + 2y = 13$ $2x - y = 7$

Answer: _____

11) Solve the simultaneous equations (Total for Question 11 is 5 marks) $x =$
..... $y =$ $3x - y = 4$ $2x^2 + 3y = 19$

Answer: _____

12) Solve the simultaneous equations (Total for Question 12 is 5 marks) $x =$
..... $y =$ $x^3 + y = 6$ $x^2 - 2y = 5$

Answer: _____

13) Solve the simultaneous equations (Total for Question 13 is 5 marks) $x =$
..... $y =$ $3x^2 + 4y = 23$ $x^2 - 3y = 9$

Answer: _____

14) Solve the simultaneous equations (Total for Question 14 is 5 marks) $x =$
..... $y =$ $x^2 + 2y = 10$ $x + 3y = 13$

Answer: _____

15) Solve the simultaneous equations (Total for Question 15 is 5 marks) $x =$
..... $y =$ $2x - y = 5$ $3x^2 + 2y = 17$

Answer: _____

16) Solve the simultaneous equations (Total for Question 16 is 5 marks) $x =$
..... $y =$ $3x - 2y = 15$ $x^2 - y = 7$

Answer: _____

17) Solve the simultaneous equations (Total for Question 17 is 5 marks) $x =$
..... $y =$ $x^2 + y = 10$ $3x + y = 18$

Answer: _____

18) Solve the simultaneous equations (Total for Question 18 is 5 marks) $x =$
..... $y =$ $2x^2 + 3y = 19$ $3x - 4y = 6$

Answer: _____

19) Solve the simultaneous equations (Total for Question 19 is 5 marks) $x =$
..... $y =$ $x^3 - y = 10$ $x + 2y = 8$

Answer: _____

20) Solve the simultaneous equations (Total for Question 20 is 5 marks) $x =$

..... $y =$ $x^2 + 3y = 17$ $2x + y = 10$ [MARK SCHEME]

Question 1: $x = 2, y = 2$ Question 2: $x = 3, y = 2$ Question 3: $x = 4, y = 1$ Question 4: $x = 3, y = 3$ Question 5: $x = 2, y = 1$ Question 6: $x = 2, y = -1$ Question 7: $x = 2, y = 4$ Question 8: $x = 2, y = 2$ Question 9: $x = 3, y = -4$ Question 10: $x = 2, y = -3$ Question 11: $x = 2, y = 3$ Question 12: $x = 1, y = 4$ Question 13: $x = 3, y = -6$ Question 14: $x = 4, y = 1$ Question 15: $x = 2, y = 3$ Question 16: $x = 2, y = -3$ Question 17: $x = 2, y = 8$ Question 18: $x = 3, y = 1$ Question 19: $x = 2, y = 3$ Question 20: $x = 3, y = 2$

Answer: _____