




Acumen Teach
To the point

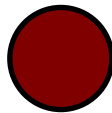
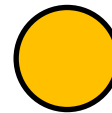
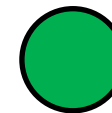
Algebra Master-box

Equations—Algebra—Logic—Correspondence



 2 hours

 38 Questions

Easy (12 Questions)	/21
Moderate(12 Questions)	/25
Difficult(12 Questions)	/31
Total Marks	/77
How did you do?	
  	



Easy Questions

1. SIMPLIFY - $5x + 3x$

(1 marks)

2. SOLVE - $2x = 14$

$x = \underline{\hspace{2cm}}$

(1 marks)

3. EVALUATE $x + y$ IF $x = 1$ AND $y = 4$

(1 marks)

4. SOLVE - $x - 5 = 0$

$x = \underline{\hspace{2cm}}$

(1 marks)

5. SIMPLIFY $6x - 4x$

(1 marks)



6. SOLVE - $4x=20$

$x = \underline{\hspace{2cm}}$

(1 marks)

7. EVALUATE $2x+5$ IF $x=3$

(1 marks)

8. SOLVE $x+7$

$x = \underline{\hspace{2cm}}$

(1 marks)

9. SIMPLIFY $3x^2 + x^2$

(1 marks)

10. SOLVE - $7x=21$

$x = \underline{\hspace{2cm}}$

(1 marks)



11. EVALUATE $4x-3$ IF $x=2$

(2 marks)

12. SOLVE -

$x = \underline{\hspace{2cm}}$

(2 marks)



Moderate Questions

13. SOLVE $3(x-2)$

$x = \underline{\hspace{2cm}}$

(2 marks)

14. SIMPLIFY $\frac{4x^2}{8x^2}$

(2 marks)

15. SOLVE $x^2=25$

$x = \underline{\hspace{2cm}}$

(2 marks)

16. EVALUATE x^2+3x+4 IF $x=1$

(2 marks)



17. SOLVE $x^2 - 4 = 0$

$x = \underline{\quad}$

(2 marks)

18. SIMPLIFY $\frac{8x^2}{4x}$

(2 marks)

19. SOLVE $\frac{x+3}{3} = 2$

(2 marks)

20. EVALUATE $2x^2 - 4x + 2$ IF $x = 2$

(2 marks)



21. SOLVE $3x - 9 = 0$

$x =$ _____

(2 marks)

22. SIMPLIFY $\frac{10x^3}{5x}$

(2 marks)

23. SOLVE $(x - 3)(x + 2) = 0$

$x =$ _____

(2 marks)

24. EVALUATE $3x^2 - 2x + 1 = 0$ if $x = (-1)$

(2 marks)



Difficult Questions

25. SOLVE $2x^2 - 3x + 1 = 0$

$x =$ _____

(3 marks)

26. SIMPLIFY $\frac{12x^2 - 4}{4x - 2}$

(3 marks)

27. SOLVE $2x^2 - 3x + 1 = 0$

$x =$ _____

(3 marks)



28. EVALUATE $x^3 - 3x^2 + 4x = 0$ IF $x = -1$

(3 marks)

29. SOLVE $2x^2 - 5 = 0$

$x =$ _____

(3 marks)

30. SIMPLIFY $\frac{x^3 - 27}{x - 3}$

(3 marks)

31. SOLVE $x^4 - 1 = 0$

$x =$ _____

(3 marks)



32. EVALUATE $x^4 - x^3 + x - 1$ IF $x = 2$

33. SOLVE $\frac{x^2 - 8}{x - 2} = 0$

(3 marks)

$x =$ _____

(3 marks)

34. SIMPLIFY $\frac{x^4 - 1}{x^2 - 1}$

35. SOLVE $3x^3 - 6x^2 - 3x + 6 = 0$

(3 marks)

$x =$ _____

(3 marks)



36. EVALUATE $x^4 + x^3 - x^2 + x$ | IF $x = (-2)$

(3 marks)