MCQs for Class 9 Maths Chapter 2 Introduction to Linear Polynomials

Question 1: The degree of the polynomial 4x + 7 is:

Options:

(A). 0

(B). 1

(C). 2

(D). 3

Question 2: Which of the following is a linear polynomial?

Options:

(A). $x^2 + 5$

(B). 7x - 2

(C). $x^3 + 1$

(D). 9

Question 3: The polynomial 8 is a:

Options:

(A). Linear polynomial

(B). Quadratic polynomial

(C). Constant polynomial

(D). Cubic polynomial

Question 4: Find the zero of the polynomial x + 6.

Options:

(A). 6

(B). -6

(C). 0

(D). 1

Question 5: Which polynomial has degree 3?

Options:

(A). $x + 2$

(B). $x^2 + 1$

(C). $x^3 + 4$

(D). 5

Question 6: A polynomial with only one term is called:

Options:

(A). Binomial

(B). Trinomial

(C). Monomial

(D). Constant

Question 7: The polynomial $3x^2 + 2x + 5$ has:

Options:

(A). One term

(B). Two terms

(C). Three terms

(D). Four terms

Question 8: Which of the following is not a polynomial?

Options:

(A). $x^2 + 3$

(B). $1/x$

(C). $5x + 1$

(D). $x^3 - 2$

Question 9: The graph of a linear polynomial is a:

Options:

(A). Circle

(B). Straight line

(C). Curve

(D). Triangle

Question 10: What is the value of $2x + 1$ when $x = 3$?

Options:

(A). 5

(B). 6

(C). 7

(D). 8

Question 11: Which of the following is a quadratic polynomial?

Options:

(A). $x^2 + 4x + 1$

(B). $x + 2$

(C). $x^3 + 5$

(D). 7

Question 12: The highest power of the variable in a polynomial is called its:

Options:

(A). Constant

(B). Degree

(C). Coefficient

(D). Zero

Question 13: Find the zero of the polynomial 5x - 10.

Options:

(A). 0

(B). 1

(C). 2

(D). -2

Question 14: Which polynomial is a binomial?

Options:

(A). $x^2 + 2x$

(B). $x^2 + 2x + 1$

(C). 5x

(D). 9

Question 15: The polynomial $6x^3 + x^2 + 4$ has degree:

Options:

(A). 1

(B). 2

(C). 3

(D). 4

Question 16: Which expression is a polynomial in one variable?

Options:

(A). xy + 1

(B). $x^2 + 3x + 5$

(C). x + y

(D). 1/x

Question 17: The constant term in the polynomial $x^2 + 7x + 9$ is:

Options:

(A). x^2

(B). 7x

(C). 9

(D). x

Question 18: Find the value of $x^2 + 2$ when x = 2.

Options:

(A). 4

(B). 5

(C). 6

(D). 8

Question 19: A polynomial having degree 2 is known as:

Options:

(A). Linear polynomial

(B). Quadratic polynomial

(C). Cubic polynomial

(D). Constant polynomial

Question 20: Which of the following is a trinomial?

Options:

(A). x + 1

(B). 4x

(C). $x^2 + 3x + 2$

(D). 8

Question 21: The polynomial $2x^3 - x + 5$ is a:

Options:

(A). Linear polynomial

(B). Quadratic polynomial

(C). Cubic polynomial

(D). Constant polynomial

Question 22: Find the value of 3x - 2 at x = 4.

Options:

(A). 8

(B). 10

(C). 12

(D). 14

Question 23: The polynomial 7 has degree:

Options:

(A). 0

(B). 1

(C). 2

(D). 3

Question 24: The zero of a polynomial makes the polynomial equal to:

Options:

(A). 1

(B). 2

(C). Zero

(D). Infinity

Question 25: Which of the following has degree 1?

Options:

(A). $x^2 + 1$

(B). $x + 5$

(C). $x^3 - 2$

(D). 9

Answers:

1. (B). 1
2. (B). 7x - 2
3. (C). Constant polynomial
4. (B). -6
5. (C). $x^3 + 4$
6. (C). Monomial
7. (C). Three terms
8. (B). 1/x
9. (B). Straight line
10. (C). 7
11. (A). $x^2 + 4x + 1$
12. (B). Degree
13. (C). 2
14. (A). $x^2 + 2x$

15. (C). 3

16. (B). $x^2 + 3x + 5$

17. (C). 9

18. (C). 6

19. (B). Quadratic polynomial

20. (C). $x^2 + 3x + 2$

21. (C). Cubic polynomial

22. (B). 10

23. (A). 0

24. (C). Zero

25. (B). $x + 5$