Algebraic Expressions and Identities: Worksheet -1

1. What is the coefficient of $-(2x)^2$ [ ]

(A) 2 (B) – 2 (C) – 1 (D) None

2. Degree of the expression of $x^3y^2 + y^2x + z^2 + 1$ is [ ]

(A) 5 (B) 6 (C) 3 (D) 0

3. Degree of $(z^3-14)(z^3-1)$ [ ]

(A) 6 (B)4 (C) 12 (D) 3

4. The degree of a non-zero number: [ ]

(A) 1 (B) 0 (C) 2 (D) 3

5. Zero of the polynomial of ax+b is : [ ]

(A) a (B) b (C) $\frac{-b}{a}$ (D) $\frac{b}{a}$

6. The polynomial of second degree is called [ ]

(A) Linear polynomial (B) Quadratic polynomial

(C) Cubic polynomial (D) Bi-quadratic polynomial

7. The degree of the polynomial $a+bx+cx^3+dx^5$ is [ ]

(A) 0 (B) 1 (C) 3 (D) 5

8. The numerical co efficient of 'x' is [ ]

(A) x (B) –x (C) 1 (D) 0

9. The degree of $6x^5$ is _ _ _ _ _ _ _ _ _ _ .

10. The degree of $5x^2y^3z^4$ is _ _ _ _ _ _ _ _ _ _

11. The degree of the monomial $6xyz$ is _ _ _ _ _ _ _

12. The degree of $ax^2 + bx + c$ is : _ _ _ _ _ _ _ _ _

13. The degree of $3x^2y^4z^6$ is : _ _ _ _ _ _ _ _ _ _

14. The degree of 5 is : _ _ _ _ _ _ _ _ _ _

15. The zero of $3x + 5$ is : _ _ _ _ _ _ _ _ _

16. The zero of $ax - b$ is :_ _ _ _ _ _ _ _ _ _

17. In $3x^2$, 3 is called the : _ _ _ _ _ _ _ _

18. The degree of the polynomial $5x - 2x^2 + 9 - x^3$ is : _ _ _ _ _ _ _ _ _ _