ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Algebra and Geometry **Class: 7** **Date: 12.04.21**

Duration: 40 min **Worksheet Solution 25** **Full Marks: 15**

Algebraic Expressions

Choose the correct option:

1. The expression 2x + 3y is a _____
    a. monomial
    b. binomial
    c. trinomial
    d. Not a polynomial
2. The expression 1 + x -xy is a_____
    a. monomial
    b. binomial
    c. trinomial
    d. Not a polynomial
3. The expression 1+ 1/x is a_____
    a. monomial
    b. binomial
    c. trinomial
    d. **Not a polynomial**
4. The expression 42 is a _____
    a. monomial
    b. binomial
    c. trinomial
    d. Not a polynomial
5. The expression 7-3x +8y is a _____
    a. monomial
    b. binomial
    c. trinomial
    d. Not a polynomial
6. The expression c^2+ 13 is a_____
    a. monomial
    b. binomial
    c. trinomial
    d. Not a polynomial
7. The expression 9b is a_____
    a. monomial
    b. binomial
    c. trinomial
    d. Not a polynomial
8. The expression $42x^{1/4}$ is a _____
    a. monomial
    b. binomial
    c. trinomial
    d. **Not a polynomial**

9. The degree of the polynomial xyz + xy-x is _____
    a. 0
    b. 1
    c. 2
    d. **3**
10. The degree of the polynomial $x^2y^2z^1$ is_____
    a. 1
    b. 2
    c. 3
    d. **5**
11. The degree of the polynomial $0.05y^{55}$ is_
    a. 0.5
    b. 11
    c. 55
    d. 110
12. The degree of the polynomial $-3a^3b^5$ is _____
    a. -3
    b. 3
    c. 5
    d. **8**
13. The degree of the polynomial $8a^3b^5+ a^2b^2$ is_____
    a. 8
    b. 4
    c. 5
    d. 3
14. The degree of the polynomial $12x^2$ +d is_
    a. 1
    b. 2
    c. 3
    d. 4
15. The degree of the polynomial 5-7x is _____
    a. 0
    b. 1
    c. 2
    d. 3