



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 09.07.20

Duration: 40 min

Worksheet 52

Full Marks: 15

## ALGEBRAIC EXPRESSIONS

Choose the Correct options:

1. Classify by number of terms:

$$3x^3 - 6x$$

- (a) Monomial
- (b) Binomial
- (c) Trinomial
- (d) 4-Term Polynomial

2. Classify by degree of polynomial:

$$3x^3 - 6x$$

- (a) Constant
- (b) Linear
- (c) Quadratic
- (d) Cubic

3. Classify by number of terms:

$$2x - 9$$

- (a) Monomial
- (b) Binomial
- (c) Trinomial
- (d) 4-Term Polynomial

4. Classify by degree of polynomial:

$$2x - 9$$

- (a) Constant
- (b) Linear
- (c) Quadratic
- (d) Cubic

5. Classify by number of terms:

$$3x^2 - 8x + 1$$

- (a) Monomial
- (b) Binomial
- (c) Trinomial
- (d) 4-Term Polynomial

6. Classify by degree of polynomial:

$$3x^2 - 8x + 1$$

- (a) Constant
- (b) Linear
- (c) Quadratic
- (d) Cubic

7. . Which polynomial is written in standard form?

- (a)  $-3x + 8x^2 + 9x^3 - 119$
- (b)  $x^3 + 8x^2 - 3x - 11$
- (c)  $8x^2 + 9x^3 - 11 - 3x$
- (d)  $-11 - 3x + 8x^2 + 9x^3$

8. How many terms are in this polynomial?

$$2x^3 - 8x^2 + 3x - 7$$

- (a) 7
- (b) 1
- (c) 4
- (d) 2

9. What is the degree of this polynomial?

$$2x^4 - 3x^5 + x$$

- (a) -3
- (b) 2
- (c) 4
- (d) 5

10. What is the degree of this polynomial?

$$2x^3 - 8x^2 + 3x - 7$$

- (a) 2
- (b) -8
- (c) 3
- (d) -7

11. What is the numeric coefficient of this term?

$$9x^3$$

- (a) None
- (b) 9
- (c) 3
- (d) x

12. What is the leading term of this polynomial?

$$4x^3 + 8x^5 - 4x^2 + 1x$$

- (a)  $1x$
- (b)  $8x^5$
- (c)  $4x^3$
- (d)  $-4x^2$

13. What is the leading coefficient of the following?

$$2x^3 - 8x^5 + 3x - 7$$

- (a) 2
- (b) -8
- (c) 3
- (d) -7

14. Classify by number of terms:

$$5x^2 - 6x + 3$$

- (a) Monomial
- (b) Binomial
- (c) Trinomial
- (d) 4-Term Polynomial

15. Classify by degree of polynomial:

$$5x^2 - 6x + 3$$

- (a) Constant
- (b) Linear
- (c) Quadratic
- (d) Cubic