



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT :Algebra & Geometry Work sheet 5 Answer key

Marks:15

Fundamental concepts & operations

Date:30.1.2021

Answer all the following questions(1×15=15)

1. The expression $x + 3$ is in
 - (a) **one variable**
 - (b) two variables
 - (c) no variable
 - (d) none of these.
2. The expression $4xy + 7$ is in
 - (a) one variable
 - (b) **two variables**
 - (c) no variable
 - (d) none of these
3. The expression $x + y + z$ is in
 - (a) one variable
 - (b) no variable
 - (c) **three variables**
 - (d) two variables.
4. The value of $x^2 - 2x + 1$ when $x = 1$ is
 - (a) 1
 - (b) 2
 - (c) -2
 - (d) **0.**
5. The value of $x^2 - 2yx + y^2$ when $x = 1$, $y = 2$ is
 - (a) **1**
 - (b) -1
 - (c) 2
 - (d) -2.
6. Which of the following is a monomial ?
 - (a) **$4x^2$**
 - (b) $a + 6$
 - (c) $a + 6 + c$
 - (d) $a + b + c + d$.
7. Which of the following is a binomial ?
 - (a) $3xy$
 - (b) **$4l + 5m$**
 - (c) $2x + 3y - 5$
 - (d) $4a - 7ab + 3b + 12$.

8. Which of the following is a trinomial ?
(a) $-7z$
(b) $z^2 - 4y^2$
(c) $x^2y - xy^2 + y^2$
(d) $12a - 9ab + 5b - 3$.
9. How many terms are there in the expression $5xy^2$?
(a) **1**
(b) 2
(c) 5
(d) 3.
10. How many terms are there in the expression $4a - 7ab + 3b + 12$?
(a) 1
(b) 2
(c) 3
(d) **4**.
11. The coefficient in the term $7xy$ is
(a) **7**
(b) 3
(c) 1
(d) 2.
12. The like terms of the following are
(a) **$x, 3x$**
(b) $x, 2y$
(c) $2y, 6xy$
(d) $3x, 2y$
13. The like terms of the following are
(a) **$2x^2, 9x^2$**
(b) y^2, xy
(c) $xy, 9a^2$
(d) $y^2, 9x^2$
14. The number of like terms in $9x^3, 16x^2y, -8x^3, 12xy^2, 6x^3$ is
(a) **3**
(b) 2
(c) 4
(d) 5.
15. The coefficient of x^2y in $7pqr x^2y$ is
(a) **$7pqr$**
(b) pqr
(c) $-7pqr$
(d) 7

