

Grade- VIII

Name of the Student: _____ Grade/Sec: _____ Branch _____

MATHS

1. Coefficient x^2 in the terms $\frac{4}{3}x^2yz^2$ is _____
2. The purpose of replacing the literals by their numeric values is called _____
3. Value of $x^2 - y^2 + xy = -1$, $y = 2$ is _____
4. $(5x^2 - 3y^2) - (x^2 + y^2 - z^2) =$ _____
5. $(2a^3 - 3b^2 3ab + 7) + (-a^3 + b^3 + 3ab - 9) =$ _____
6. Simplify $3x^2 + 4yz + 3xy - \{x^2 z - (x^2 - 3yz) - 4yz - 7z\}$
7. The subtraction of $x^2 - y^2 + 4xy$ from $2x^2 + y^2 - 3xy$ is added to $9x^2 - 3y^2 - xy$
8. How much can be subtracted from $x^2 - xy + y^2 - x + y + 3$ to obtain $-x^2 + 3y^2 - 4xy + 1$
9. Evaluate the following expression for $x = -2$, $y = -1$ and $z = 3$
 - I. $3x^2 y + 5xy^2 + 2xyz$
 - II. $x^3 + y^3 + z^3 - 3xyz$
10. Identify the monomials, binomials, trinomials from the following expression
 - a. $a^2 - b^2$
 - b. $-2x^2 y$
 - c. $x^2 + y^2 - 2x^2$
 - d. $xy + yz + zx$
 - e. $3x - 2 + 5y$