

Algebraic Expressions Worksheet - 2

1. Identify the type of algebraic expression given below:
 - (i) $3x + y^2$
 - (ii) $8xyz$
 - (iii) $4x^2 + 8xy^2 - 9$
 - (iv) $2x^3 - 12x^2 + 9x + 4$
2. Write any two examples of binomial expression.
3. Add the expression $(3x + 7y^2 + 2)$ and $(5x - 6y^2)$.
4. Count the number of monomials in the algebraic expression $8x^2y^3 - y^2x + 3y + 1$.
5. Simplify the expression: $(4x - 3y)(4x + 3y)$
6. Using the suitable algebraic identity evaluate: 888^2
7. Is the expression $6a + 2b - 5$ a trinomial?
8. Identify the like terms in the expressions $7ab - 5a^2 - 2b$ and $a^2 + 5ab + 6b$.
9. Subtract $11 - 15p^2$ from $p^3 - 15p^2 - p - 11$.
10. Find the value of the expression $x^3 + 3x^2y + 3xy^2 + y^3$ when $x = 3$ and $y = -2$.