Class 8 Algebraic Expressions and Identities
CBSE TEST PAPER -01

Type: 01

1. Numerical coefficient of $8x^3yz^2$ is _____

2. Monomial is a _____

3. Write like terms from $2x^2$, $2x$, $2x^3$, $- 5x$, $11x^4$

4. Write numerical coefficient of . $3x^3yza^2$

5. Find area of rectangle with sides $3x$ and $5y$

Type: 02

1. If $(x + 1/x) = 4$, Find the value of $(x^2 + 1/x^2)$ and $(x^4 + 1/x^4)$

2. If $(x - 1/x) = 3$ .Find the value of $(x^3 + 1/x^3)$

3. Find the remainder obtained by dividing $x^3 + 3 x^2 - 5x + 4$ by $x + 1$

4. Evaluate using algebraic identities $(54)^2$; $(78)^2$; $(999)^2$

5. If $x - y = 7$, $x y = 9$ Find the value of $x^2 + y^2$

6. If $x + y = 12$, $x y = 27$ Find the value of $x^3 + y^3$

7. If $a^2 + b^2 + c^2 = 20$, $a + b + c = 6$ find $a b + b c + ca$

8. If $(x^2 + 1 / x^2) = 83$. Find $(x^3 - 1 / x^3)$

9. What must be subtracted from $(4p^2 - 2pq - 6q^2 - r + 5)$ to get $(- p^2 + p q - 8q^2 - 2r + 5)$

10. Factorise $a^3 + b^3 + c^3 - 3 a b c$