

Chapter 12 - Algebraic Expression (Practice)

- 1) Identify numerical coefficient of $4p^2q - 3pq^2 + 5$
- 2) What are the coefficients of x in $2x - 5xz$
- 3) Identify like and unlike terms: (i) $(7x, 12y)$ (ii) $(15x, -21x)$
- 4) Simplify : $12m^2 - 9m + 5m - 4m^2 - 7m + 10$
- 5) Subtract $(24ab - 10b - 18a)$ from $30ab + 12b + 14a$
- 6) From the sum of $2y^2 + 3yz$, $-y^2 - yz - z^2$ and $yz + 2z^2$ subtract the sum of $(3y^2 - z^2)$ and $-y^2 + yz + z^2$
- 7) Find the value of expression for $x=2$, (i) $19 - 5x^2$ (ii) $x+4$
- 8) Find the value when $n=-2$ (i) $5n-2$ (ii) $5n^2 + 5n - 2$
- 9) Find the value of expression for $a=3$, $b=2$
(i) $a+b$ (ii) $7a-4b$
- 10) Find the coefficient of m in $(5n-m)$
- 11) Subtract $(4xy - 7x^2)$ from the sum of $(4x^2 - 3xy + 7x)$ and $(5x^2 + 7xy - 5x)$
- 12) Simplify the expression and find its value when $x=-3$, $y=5$.
 $2(x^2 + 2xy) + 5 - xy + y^2$
- 13) Subtract the sum of $3x + 11y - 7z$ and $2x - 5y + 4z$ from $-5x + 6y + 3z$.
- 14) Simplify the expression for $a=-1$, $b=2$.
 $4(a-2b) - 3(a-b)$