

KCW
30/10/21

Ex-18'A'

2) i) $3x + 8 = 15$

Sol) Product of 3 and x added to 8 is equal to 15.

ii) $7 - y > x$

Sol) 7 decreased by y is greater than x .

iii) $2y - x < 12$

Sol) Product of 2 and y decreased by x is less than 12.

iv) $5 \div z = 5$

Sol) 5 when divided by z is equal to 5.

v) $a + 2b > 18$

Sol) a added to the product of 2 and b is greater than 18.

vi) $2x - 3y = 16$

Sol) The product of 2 and x when decreased by the product of 3 and y is equal to 16.

vii) $3a - 4b > 14$

Sol) Product of 3 and a decreased by the product of 4 and b is greater than 14.

viii) $b + 7a < 21$

Sol) b added to the product of 7 and a is less than 21.

ix) $(16 + 2a) - x \geq 25$

Sol) The sum of 16 and the product of 2 and a when decreased by x is greater than 25.

x) $(3x + 12) - y < 3a$

Sol) The sum of the product of 3 and x and 12 is decreased by y is less than the product of 3 and a.

Ex-18 'B'

3) i) 16 is a constant and y is a variable but 16y is variable.
Sol) True.

ii) $5x$ has two terms 5 and x.
Sol) False

iii) The expression of $B + x$ has two terms B and x.
Sol) True

iv) The expression $2x^2 + x$ is a trinomial.
Sol) False

v) $ax^2 + bx + c$ is a trinomial.
Sol) True

vi) $8 \times ab$ is a binomial.
Sol) False

vii) $8 + ab$ is a binomial.

Sol) True.

viii) $x^3 - 5xy + 6x + 7$ is a polynomial.

Sol) True

ix) $x^3 - 5xy + 6x + 7$ is a multinomial.

Sol) True

x) The coefficient of x in $5x$ is $5x$.

Sol) False

xi) The coefficient of ab in $-ab$ is -1 .

Sol) True

xii) The coefficient of y in $-3xy$ is -3 .

Sol) False

5) i) xy and $-yx$ are like terms.

Sol) True

ii) x^2y and $-y^2x$ are like terms.

Sol) False

iii) a and $-a$ are like terms.

Sol) True

iv) $-ba$ and $2ab$ are unlike terms.
Sol) False

v) 5 and $5a$ are like terms.
Sol) False

vi) $3xy$ and $4xyz$ are unlike terms.
Sol) True

vii) x
Sol) coefficient of x in $x=1$

viii) $-x$
Sol) coefficient of x in $-x=-1$

ix) $-3x$
Sol) coefficient of x in $-3x=-3$

x) $-5ax$
Sol) coefficient of x in $-5ax=-5a$

xi) $\frac{3}{2}xy$
Sol) coefficient of x in $\frac{3}{2}xy=\frac{3}{2}y$

xii) $\frac{ax}{y}$
Sol) coefficient of x in $\frac{ax}{y}=\frac{a}{y}$