01-10-21
H.W

EXERCISE - 18(A)

2(i) $3x + 8 = 15$ 3x added to 8 is equal to 15.

(ii) $7 - y > x$ y subtracted by 7 is greater than x.

(iii) $2y - x < 12$ x subtracted by 2y is less than 12.

(iv) $5 \div z = 5$ 5 divided by z gives 5.

(v) $a + 2b > 18$ Sum of a and 2b is greater than 18.

(vi) $2x - 3y = 16$ 3y subtracted by 2x equals 16.

(vii) $3a - 4b > 14$ 4b subtracted by 3a is more than 14

(viii) $b + 7a < 21$ Sum of b and 7a is less than 21

(ix) $(16 + 2a) - x > 25$ Sum of 16 and 2a decreased by x is more than 25

(x) $(3x + 12) - y < 3a$ Sum of 3x and 12 decreased by y is less than 3a

EXERCISE - 18(B)

3. (i) 16 is a constant and y is a variable, but 16y is a variable. (T)

(ii) 5x has two terms 5 and x. (F)

(iii) The expression $5 + x$ has two terms 5 and x. (T)

(iv) The expression $2x^2 + x$ is a trinomial. (F)

(v) $ax^2 + bx + c$ is a trinomial. (T)

(vi) $8 \times ab$ is a binomial. (F)

(vii) $8 + ab$ is a binomial. (T)

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

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

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

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

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

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

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

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

(iv) $-ba$ and $2ba$ are unlike terms. (F)

(v) 5 and $5x$ are like terms. (F)

(vi) $3xy$ and $4xy^2$ are unlike terms. (T)

7. (i) $x = 1$

(ii) $-x = -1$

(iii) $-3x = -3$

(iv) $-5ax = -5a$

(v) $\frac{3}{2}xy = \frac{3}{2}y$

(vi) $\frac{ax}{y} = \frac{a}{y}$