Ex - 18(A)

2. For each of the Algebraic Expressions, write a suitable statement in words:

(i) $3x + 8 = 15$

Ans - The sum of $3x$ and 8 is equal to 15.

(ii) $7 - y > x$

Ans - 7 is decreased by y is greater than x.

(iii) $2y - x < 12$

Ans - $2y$ is decreased by x is smaller than 12.

(iv) $5 \div z = 5$

Ans - 5 divided by z is equal to 5.

(v) $a + 2b > 18$

Ans - a increased by $2b$ is greater than 18.

(vi) $2x - 3y = 16$

Ans - $2x$ decreased by $3y$ is equal to 16.

(vii) $3a - 4b > 14$

Ans - $3a$ is decreased by $4b$ is greater than 14.

(viii) $b + 7a < 21$

Ans - b increased by $7a$ is less than 21.

(ix) $(16 + 2a) - x > 25$

Ans - The sum of 16 and $2a$ decreased by x is greater than 25.

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

Ans - The sum of $3x$ and 12 decreased by y is less than $3a$.

Ex- 18 (B)

Q3- State whether true or false:

(i) 16 is a constant and x is a variable, but 16y is a variable. True

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

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

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

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

(vi) 8xab is a binomial. False

(vii) 8+ab is a binomial. True

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

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

(x) The co-efficient of x in 5x is 5x. False

(xi) The co-efficient of ab in -ab is -1. True

(xii) The co-efficient of y in -3xy is -3. False

Q5- State whether true or false:

(i) xy and -yx are like terms. True

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

(iii) a and -a are like terms. True

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

(v) 5 and 5x are like terms. False

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

Q7- Write down the co-efficient of x in the following monomials.

(i) x
Ans- 1

(ii) -x
Ans- -1

(iii) -3x
Ans- -3

(iv) -5ax
Ans- -5a

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

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