

Home Assignment

Ex-18(A)

Q 92) i) $3x + 8 = 15$

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

ii) $7 - y > x$

Ans) 7 decreased by y is greater than x .

iii) $2y - x < 12$

Ans) x subtracted from $2y$ is less than 12

iv) $5 \div z = 5$

Ans) 5 divided by z is equal to 5

v) $a + 2b \geq 18$

Ans) Sum of a and $2b$ is ~~equal~~ greater than 18

vi) $2x - 3y = 16$

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

vii) $3a - 4b > 14$

Ans) $4b$ subtracted from $3a$ is greater than 14

viii) $b + 7a < 21$

Ans) b increased by $7a$ is less than 21

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

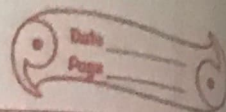
Ans) The sum of 16 and 2a decreased by x is greater than 25

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

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

Home Assignment

Ex-18(B)



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

Ans) ii) $5x$ has two terms 5 and x . True

iii) The expression $5 + x$ has 2 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 coefficient of y in $-3xy$ is -3 .

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

xii) The coefficient of ab in $-ab$ is -1 . True

xiii) The coefficient of y in $-3xy$ is -3 . 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 (~~True~~) (False)

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

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

7) Coefficient of x :-

i) $x = 1$

ii) $-x = -1$

iii) $-3x = -3$

iv) ~~⊖~~ $-5ax = -5a$

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

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