MATH

Fri 02-10-2021

Fundamental Concepts Exercise 1S (A)

② i) $3x + 8 = 15$ = The sum of 3 times x and 8 is equal to 15.

ii) $7 - y > x$ = 7 decreased by y is greater than x.

iii) $2y - x < 12$ = 2 times y decreased by x is smaller than 12.

iv) $5 \div z = 5$ ↳ 5 divided by z is equal to 5.

v) $a + 2b > 18$ = a added to 2 times b is greater that 18.

vi) $2x - 3y = 16$ = The product of 2 and x decreased by product of 3 and y is equal to 16

vii) $3a - 4b > 14$ = 4 times b subtracted by 3 times a greater than 14.

viii) $b + 7a < 21$ = The sum of b and 7 times a is less that 21.

ix) $(16 + 2a - x) 25$ = The sum of 16 and 2 times a is decreased by x more than 26.

x) $(3x + 12) - y$ = The sum of 3 times x and 12 decreased by y is smaller than 3 times a.

~~Exercise 1S (B)~~

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

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

iii) The expression $5 + x$ has two term 5 and x. True.

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

v) $ax^2 + bx + 5$ is a trinomial. True

vi) $8x\ ab$ is Binomial. False

vii) $8 + ab$ is Binomial. True

viii) $x^3 - 5xy + 6x + 7$ is a ~~multi~~ Poly nomial. True

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

x) The coefficient of x in $5x$ is $5x =$ false

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

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

(5) 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 term. True

(7) i) $x = 1$

ii) $-x = -1$

iii) $-3x = -3$

iv) $-5ax = -5a$

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

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

Name - Snehanshkar

Class - VI

Sec. - D