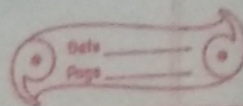


HW  
2.10.24

## Revision



18 A

~~Q1~~

Q2) For the following algebraic expressions, write a suitable statements in words.

- i)  $3x + 8 = 15 \rightarrow$  The sum of  $3x$  and  $8$  is  $15$ .
- ii)  $7 - y > x \rightarrow$   $7$  decreased by  $y$  is greater than  $x$ .
- iii)  $2y - x < 12 \rightarrow$   $2y$  decreased by  $x$  is smaller than  $12$ .
- iv)  $\frac{5}{z} = 5 \rightarrow$   $5$  divided by  $z$  is equal to  $5$ .
- v)  $a + 2b > 18 \rightarrow$  The sum of  $a$  and  $2b$  is greater than  $18$ .
- vi)  $2x - 3y = 16 \rightarrow$   $2x$  subtracted by  $3y$  is equal to  $16$ .
- vii)  $3a - 1b > 14 \rightarrow$   $3a$  is subtracted by  $1b$  is greater than  $14$ .
- viii)  $b + 7a < 21 \rightarrow$  The sum of  $b$  and  $7a$  is smaller than  $21$ .
- ix)  $(16 + 2a) - x > 25 \rightarrow$  The sum of  $16$  and  $2a$  is subtracted by  $x$  is greater than  $25$ .
- x)  $(3x + 12) - y < 3a \rightarrow$  The sum of  $3x$  and  $12$  is subtracted by  $y$  is smaller than  $3a$ .

Ex-18(B)

Q3. Write true or false.

- i)  $1b$  is a constant and  $y$  is a variable but  $1by$  is a variable.  
ans. ~~False~~ True
- ii)  $5x$  has two terms  $5$  and  $x$  - ~~True~~ 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 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) State true or false.

- i)  $xy$  and  $-xy$  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.

7. Write down the coefficient of  $x$  in the following monomial.

- i)  $x \rightarrow 1$   
 ii)  $-x \rightarrow -1$   
 iii)  $-3x \rightarrow -3$   
 iv)  $-5ax \rightarrow -5a$   
 v)  $\frac{3}{2}xy \rightarrow \frac{3}{2}y$   
 vi)  $\frac{ax}{y} \rightarrow \frac{a}{y}$

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