

# MATHEMATICS

Class-7th

Chapter-12

Algebraic  
expressions

Exercise-12.1

-By:- A.K.Jha

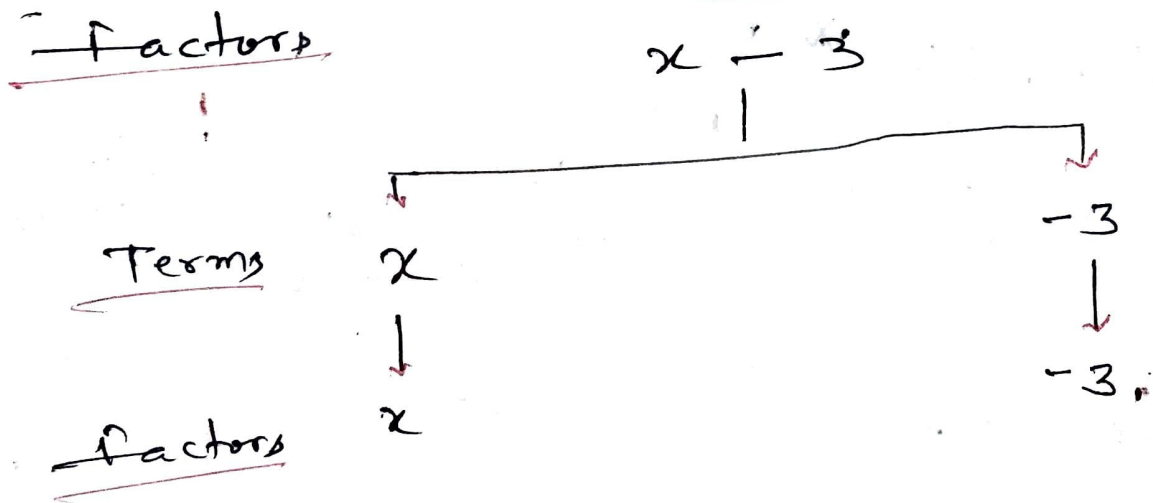


Ch: - 12.      Ex - 12.1.      Algebraic Expression.

- Q. 1. Sol.
- (i)  $y - z$  ✓
  - (ii)  $\frac{1}{2} (x + y)$  ✓
  - (vi)  $3mn + 5$  ✓
  - (vii)  $10 - yz$  ✓

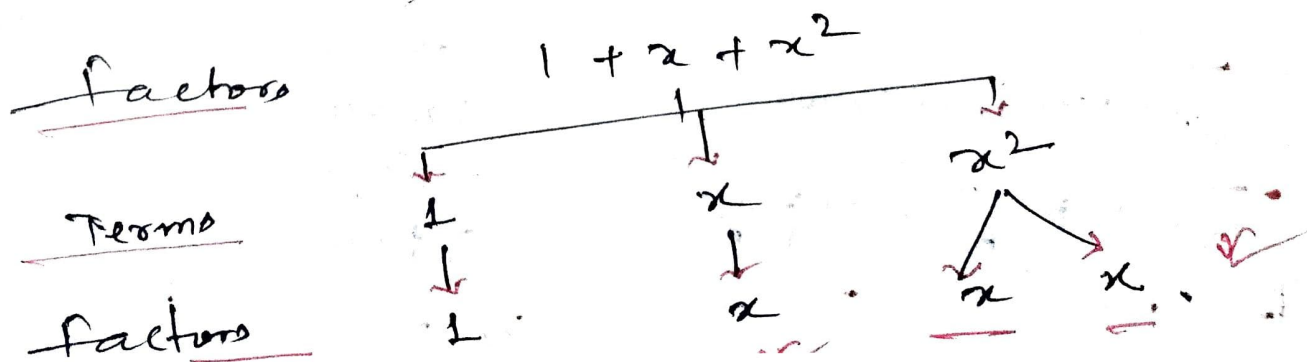
Q. 2. Sol.

(a) Expression  $(x - 3)$   
Terms :=  $x, -3$



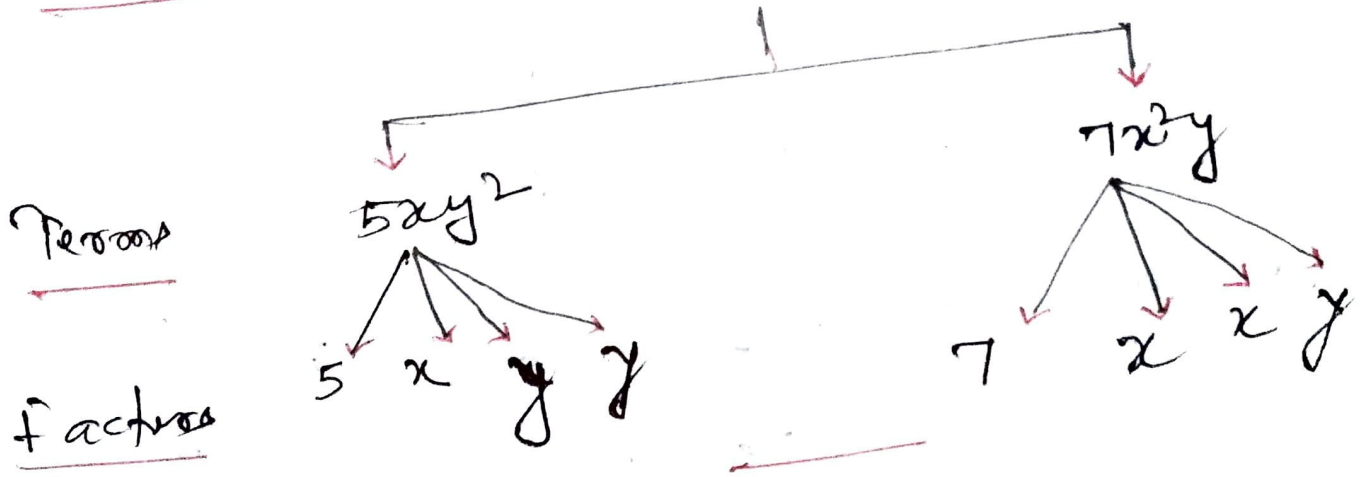
(b) Expression  $(1, x, x^2)$

Terms  $1, x, x^2$



(e) Expression:  $(5xy^2 + 7x^2y)$   
Terms:  $5xy^2$ ,  $7x^2y$

Factors:  $5xy^2 + 7x^2y$



Q.3. Sol: ✓✓

S. No.	Expression	Terms which is not constant ✓	Numerical coefficient
(i)	$5 - 3t^2$	$-3t^2$	-3
(ii)	$1 + t + t^2 + t^3$	$t$ $t^2$ $t^3$	1 1 1
(iii)	$x + 2xy + 3y$	$x$ $2xy$ $3y$	1 2 3
(iv)	$1000m + 1000n$	$1000m$ $1000n$	1000 1000
(v)	$-p^2q^2 + 7pq$	$-p^2q^2$ $7pq$	-1 7

✓✓