

EXERCISE – 8C

Q-1. Write the terms of the expressions given here-

Terms

- a. $3a + b = 3a, b$
- b. $4xy - 5 = 4xy, -5$
- c. $4a - 3b + c = 4a, -3b, c$

Q-2. Make an algebraic expression for each of the group of terms given here-

- a. $-4xy, +4y, -3x = 4y - 4xy - 3x$
- b. $x, -4y = x - 4y$
- c. $-7ab, 2bc, -9a = 2bc - 7ab - 9a$

Q-3. State whether the following are monomial, binomial or trinomial –

- a. $3x - 5y + 3z =$ Trinomial
- b. $9 =$ constant
- c. $2x^2 - 5y^2 =$ Binomial

Q-5. Group the like terms together in each of the following –

- a. $3a^2 b, 5ab^2, -2ab^2, a^2 b$
Like terms = $3a^2 b, a^2 b$
 $= 5ab^2, -2ab^2$
- b. $5xy, 4yz, 7xy, -2xz, 2xz$
Like terms = $5xy, 7xy$
 $= -2xz, 2xz$

EXERCISE – 8D

Q-1. Evaluate the following –

- a. $a + b + c$ when $a = 5, b = 7$ and $c = 10$
 $= a + b + c$
 $= 5 + 7 + 10 = 22$
- b. $a - b + c$ when $a = 15, b = 10$ and $c = 5$
 $= a - b + c$
 $= 15 - 10 + 5 = 20 - 10 = 10$

c. $c + b - a$ when $a = 10$, $b = 7$ and $c = 2$
 $= c + b - a$
 $= 2 + 7 - 10 = 9 - 10 = -1$

Q-2. Evaluate the following expressions when $a = 10$, $b = 2$, $c = 3$ and $d = 40$

a. $a + b = 10 + 2 = 12$

b. $4c + 3d = 4 \times 3 + 3 \times 40 = 12 + 120 = 132$

c. $a + b + c = 10 + 2 + 3 = 15$

d. $d - a + b + c = 40 - 10 + 2 + 3 = 35$

e. $abd = 10 \times 2 \times 40 = 800$

f. $abcd = 10 \times 2 \times 3 \times 40 = 2400$