

SESSION: 2024-25

WORKSHEET

CHAPTER: 6 ALGEBRAIC EXPRESSION

CLASS: - VIII

SUBJECTS: MATHS

NAME

Q.1 Add:

- a) $8ab, -5ab, 3ab, -ab$
- b) $7x, -3x, 5x, -x, -2x$
- c) $3a - 4b + 4c, 2a + 3b - 8c, a - 6b + c$
- d) $5x - 8y + 2z, 3z - 4y - 2x, 6y - z - x$ and $3x - 2z - 3y$

Q.2 Subtract:

- a) $3a^2b$ from $-5a^2b$
- b) $-8pq$ from $6pq$
- c) $-2abc$ from $-8abc$

Q.3 Find the Product:

- a) $(5x + 7) \times (3x + 4)$
- b) $(4x + 9) \times (x - 6)$
- c) $(2x + 5) \times (4x - 3)$
- d) $24x^2y^3$ by $3xy$
- e) $36xyz^2$ by $-9xz$
- f) $5m^3 - 30m^2 + 45m$ by $5m$
- g) $8x^2y^2 - 6xy^2 + 10x^2y^2$ by $2xy$

Q.4 Write the quotient and remainder when we divide:

- a) $x^2 - 4x + 4$ by $(x - 2)$
- b) $(x^2 - 4)$ by $(x + 2)$