

Exercise - 19(A)

Date

Add

$$1. \text{ i) } 5 + 4 = 9 \text{ and } -5x + 5x + 4x = 9x$$

$$\text{ii) } 12 + 18 = 30 \text{ and } 12x^2y + 18x^2y = 30x^2y$$

$$\text{iii) } 7 + 16 = 23 \text{ and } 7a + 16b = 7a + 16b$$

$$\text{iv) } 1 + 3 = 4 \text{ and } x^2y + 3xy^2 = x^2y + 3xy^2$$

$$\text{v) } 7 - 4 = 3 \text{ and } 7ab - 4ab = 3ab$$

$$\text{vi) } 12 - 5 = 7 \text{ and } 12x - 5y = 12x - 5y$$

$$\text{vii) } 35 - 16 = 19 \text{ and } 35ab - 16ba = 19ab$$

$$\text{viii) } 28 - 13 = 15 \text{ and } 28ax^2 - 13a^2x = 28ax^2 - 13a^2x$$

$$2. \text{ i) } -2 + (-5) = -2 - 5 = -7 \text{ and } -2x + (-5x) = -7x$$

$$\text{ii) } 8 + (-3) = 5 \text{ and } 8ab + (-3ab) = 5ab$$

$$\text{iii) } -15 + (-4) = -15 - 4 = -19 \text{ and } -15x + (-4y) = -15x - 4y$$

$$\text{iv) } 15 + 8 + 3 = 26 \text{ and } 15x + 8y + 3x = 18x + 8y$$

$$\text{v) } 12 - 9 + 15 = 18 \text{ and } 12ab - 9ab + 15ba = 18ab$$

$$\text{vi) } 25 - 7 - 9 = 9 \text{ and } 25xy - 7xy - 9yx = 9xy$$

$$\text{vii) } -4 - 6 - 5 = -15 \text{ and } -4ax - 6ax - 5ay = -10ax - 5ay$$

$$3. \text{ i) } 8xy + 3xy = 11xy$$

$$\text{ii) } 2xyz + xyz + 6xyz = 9xyz$$

$$\text{iii) } 2a + 3a + 4b = 5a + 4b$$

$$\text{iv) } 3x + 2y = 3x + 2y$$

$$\text{v) } 5m + 3n + 4p = 5m + 3n + 4p$$

$$\text{vi) } 6a + 3a + 9ab = 9a + 9ab$$

$$\text{vii) } 3p + 4q + 9q = 3p + 13q$$

$$\text{viii) } 5ab + 4ba + 6b = 9ab + 6b$$

$$\text{ix) } 50pq + 30pq + 10pr = 80pq + 10pr$$

$$\text{xiii) } -2c + (-c) + (-5c) = -8c$$

$$\text{xi) } -3b + (-b) = -4b$$

$$\text{xii) } 5b + (-4b) + (-10b) = -9b$$

$$\text{xiii) } -2c, -c + (-5c) = -8c$$

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$$4. i) 6a - a - 5a - 2a = -2a$$

$$ii) 2b - 3b - b + 4b = +2b$$

$$iii) 3x - 2x - 4x + 7x = +4x$$

$$iv) 5ab + 2ab - 6ab + ab = 2ab$$

$$v) 8x - 5y - 3x + 10y \neq \\ = 8x - 3x - 5y + 10y \\ = 5x + 5y$$

$$5. i) -7x + 9x + 2x - 2x = 2x$$

$$ii) 5ab - 2ab - 8ab + 6ab = ab$$

$$iii) -8a - 3a + 12a + 13a - 6a = 8a$$

$$iv) 19abc - 11abc - 12abc + 14abc = 10abc$$