

Exercise 19 C
Question number 2, 3
Exercise 19 D Question
Number 2, 3.

Exercise-19-C

2. Fill in the blanks.

(i) $48x^2$

(ii) ~~$3ab \times 6ax \times 18a^2bx$~~

(iii) $6x^6$

(iv) ~~$50x^4$~~ $25a^3$

(v) ~~$36x^2 \times 6xy^4$~~ $216x^4y^2$

(vi) ~~624~~ x^2

(vii) ~~75~~ x^3

(viii) ~~$8x$~~

(viii) $8x - 4xy^2 \times 3x^3y^2 = -96x^4y^4$

(ix) $-4x \times 5xy \times 3z = 60x^2yz$

(x) $5x \times 2x^2y \times -7y^2 \times 2x^3y^4$
 $= -140x^6y^7$

3. Find the value of

(i) $3x^3 \times 5x^4$

Ans - $15x^7$

(ii) $5a^2 \times 7a^7$

Ans - $35a^9$

(iii) $3abc \times 6ac^3$

Ans - $18abc^4$

(iv) $a^2b^2 \times 5a^3b^4$

Ans - $5a^5b^6$

(v) $2x^2y^3 \times 5x^3y^4$

Ans - $10x^5y^7$

(vi) $abc \times bcd$

Ans - ab^2cd

7. Multiply

(i) $x+2$ and x

$\Rightarrow (x+2) \times x$

$= x(x+2)$

$= x^2 + 2x$

(ii) $x+5$ and x

~~$= x(x+5) \times x$~~

~~$= (x+5) \times (x+3)$~~

~~$= x(x+5) \times 5$~~

(ii) Ans - $x^2 + 5x$

(iii) Ans - $x^2 - 2x$

(iv) $x^2 - 8x + 16$

(v) $2x^2 + 7xy$

(vi) $3x^2 + 13x$

(vii) $x^2 + 4x$

(viii) $4x^2 + 2x$

7. Multiply:

(i) $x + 2$ and $x + 10$

$$\Rightarrow (x+2) \times (x+10)$$

$$= x(x+10) + 2(x+10)$$

$$= x^2 + 12x + 20$$

~~(ii) $x + 5$ and $x - 3$~~

~~$$= x(x+5) + 5(x-3)$$~~

~~$$= (x+5) \times (x-3)$$~~

~~$$= x(x+5) + 5(x-3)$$~~

(ii) Ans - $x^2 + 2x - 15$

(iii) Ans - $x^2 - 2x - 15$

(iv) $x^2 - 8x + 15$

(v) $2x^2 + 7xy + 3y^2$

(vi) $3x^2 + 13xy - 30y^2$

(vii) $x^2 + 4xy - 45y^2$

(viii) $4x^2 + 20xy + 25y^2$