

$$1. \text{iv}) (b-3)(b-5)$$

$$\begin{aligned}\text{Ans} &= (b \times b) + (b \times (-5)) + (-3) \times b + (-3)(-5) \\ &= b^2 - 5b - 3b + 15 \\ &= b^2 - 8b + 15\end{aligned}$$

$$v) (3x-2y)(2x+y)$$

$$\begin{aligned}\text{Ans} &= (3x-2x) + (3x \times y) + (-2y \times 2x) + (-2y \times y) \\ &= 6x^2 + 3xy - 4xy - 2y^2 \\ &= 6x^2 - xy - 2y^2\end{aligned}$$

$$2. \text{x}) \left(\frac{3}{5}a + \frac{1}{2}\right) \left(\frac{3}{5}a - \frac{1}{2}\right)$$

$$\text{Ans} = \left(\frac{3}{5}a\right)^2 - \left(\frac{1}{2}\right)^2 = \frac{9}{25}a^2 - \frac{1}{4}$$

$$\text{xii)} (0.5 - 2a)(0.5 + 2a)$$

$$\begin{aligned}\text{Ans} &= (0.5)^2 - (2a)^2 \\ &= 0.25 - 4a^2\end{aligned}$$

$$\text{xiii)} \left(\frac{a}{2} - \frac{b}{3}\right) \left(\frac{a}{2} + \frac{b}{3}\right)$$

$$\text{Ans} = \left(\frac{a}{2}\right)^2 - \left(\frac{b}{3}\right)^2$$

$$= \frac{a^2}{4} - \frac{b^2}{9}$$