

$$\begin{aligned} \text{i) } & (x+3)(x+3) \\ &= x^2 + 2 \times x \times 3 + 3^2 \\ &= x^2 + 6x + 9 \end{aligned}$$

$$\begin{aligned} \text{ii) } & (2y+5)(2y+5) \\ &= (2y)^2 + 2 \times 2y \times 5 + 5^2 \\ &= 4y^2 + 20y + 25 \end{aligned}$$

$$\begin{aligned} \text{iii) } & (2a-7)(2a-7) \\ &= (2a)^2 - 2 \times 2a \times 7 + 7^2 \\ &= 4a^2 - 28a + 49 \end{aligned}$$

$$\begin{aligned} \text{iv) } & \left(3a - \frac{1}{2}\right) \left(3a - \frac{1}{2}\right) \\ &= (3a)^2 - 2 \times 3a \times \frac{1}{2} + \left(\frac{1}{2}\right)^2 \\ &= 9a^2 - 3a + \frac{1}{4} \end{aligned}$$

$$\begin{aligned} \text{v) } & (a^2 + b^2)(-a^2 + b^2) \\ &= (b^2)^2 - (a^2)^2 \\ &= b^4 - a^4 \end{aligned}$$