

1)

$$\begin{aligned} \text{i) } & x^4 \times x^6 \times x \\ & = x^{11} \end{aligned}$$

$$\begin{aligned} \text{ii) } & 2x^2 \times 3x^3 \times 2x \\ & = 12x^5 \end{aligned}$$

$$\text{iii) } \frac{x^4 \times x^2 \times x^2}{x^9} = \frac{x^9}{x^9}$$

$$= x$$

$$\begin{aligned} \text{iv) } & (3x^2)^3 \\ & = 3x^2 \times 3x^2 \times 3x^2 \\ & = 27x^6 \end{aligned}$$

$$\begin{aligned} \text{v) } & \sqrt{x} \times \sqrt{x} \\ & = \sqrt{x^2} \\ & = x \end{aligned}$$