

12:00 PM 1-11-21 ACHA3000

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$$\begin{aligned}
 & \text{(i)} x^6 \times x^8 \times x^2 \times x \\
 & \quad 6+8+2+1 \\
 & \quad x^{17} \\
 & \quad \boxed{= x^{17}}
 \end{aligned}$$

$$\text{(iv)} \quad 2\sqrt{x} \times 3\sqrt{x}$$

$$\begin{aligned}
 & 2x \times 3 \\
 & 2 \times 3 = 6 \\
 & \boxed{= 6x}
 \end{aligned}$$

$$\text{(ii)} \quad (2x^2)^4 \times 3x^3$$

$$(2x^2)^4 = 2^4 (x^2)^4$$

(✓)

$$1 \times 1 = 1$$

(ii)

$$\frac{x^2 \times x^{10} \times x}{x^3}$$

$$\begin{aligned}
 & \frac{x^{10}}{x^3} \\
 & = x^{10-3} \\
 & = x^7
 \end{aligned}$$

$$x^2 \times x^7$$

$$= x^{2+7+1} = x^{10}$$

$$= x^{10}$$