

03/11/20, 3:00PM

Module
Code:
ACHA 3000

Student
number:
2012643

Question 1

(i) $x^4 \times x^6 \times x$

$$= x^{4+6+1}$$

$$= \underline{x^{11}}$$

(v) $\sqrt{x} \times \sqrt{x}$

$$= x \times x$$

$$= \underline{x^2}$$

(ii) $2x^2 \times 3x^3 \times 2x$

$$= 12x^5 \times x$$

$$= \underline{12x^6}$$

(iii) $\frac{x^4 \times x^3 \times x^2}{x^9}$

$$= \frac{x^9}{x^9}$$

$$= \underline{1}$$

(iv) $(3x^2)^3$

$$= 3^3 \times x^6$$

$$= \underline{27x^6}$$