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Model Code: ACHA3000

Introduction To Maths and Science

ACHA3000

$$y = 3x + 4$$

(1) Express the following ~~as to~~ as x to a power

(a) $x^6 \cdot x x^8 x^2 \cdot x$

$$\begin{matrix} (&) & (&) \\ x^6 & x & x^8 & x^2 & x & x \end{matrix} = x$$

$$= x^{6+1+8+2+1+1}$$

(i) ~~$(2x^2) \times 3x^3$~~
 $= x^6 = x^{19} \leftarrow$

(ii) ~~$(2x^2)^4 \times 3x^3$~~

$$= (2x^2)$$

~~$(2^4 x^{8+6})$~~