Fractions and Indices Revision: Examples

Example 1

Write the following in index form (as a power)

(a) $\sqrt[4]{x}$

(b) $\dfrac{2}{x}$

(c) $\dfrac{1}{2x}$

(d) $\dfrac{5}{2\sqrt{x}}$

Example 2

Simplify the following

(a) $2 \times \dfrac{x}{y}$

(b) $\dfrac{3}{x} + \dfrac{2}{x}$

(c) $\dfrac{1}{5x} + \dfrac{1}{x}$

(d) $\dfrac{1}{x^2} \times \sqrt{x} \times 3x^4 \div 2\sqrt[3]{x}$