

Rigour Practice

Rationalising the denominator

Express each of the following fractions with a rational denominator in its simplest form:

a) $\frac{5}{\sqrt{7}}$ b) $\frac{9}{\sqrt{2}}$ c) $\frac{6}{\sqrt{10}}$ d) $\frac{8}{\sqrt{5}}$ e) $\frac{3}{\sqrt{6}}$ f) $\frac{9}{\sqrt{3}}$ g) $\frac{6}{\sqrt{8}}$ h) $\frac{4}{\sqrt{5}}$ i) $\frac{8}{\sqrt{5}}$ j) $\frac{4}{\sqrt{6}}$

k) $\frac{5}{2\sqrt{6}}$ l) $\frac{3}{2\sqrt{10}}$ m) $\frac{4}{\sqrt{12}}$ n) $\frac{9}{2\sqrt{10}}$ o) $\frac{7}{2\sqrt{2}}$ p) $\frac{6}{\sqrt{5}}$ q) $\frac{4}{\sqrt{8}}$ r) $\frac{3}{\sqrt{12}}$ s) $\frac{5}{3\sqrt{5}}$ t) $\frac{12}{\sqrt{3}}$

u) $\frac{8}{2\sqrt{5}}$ v) $\frac{6}{5\sqrt{2}}$ w) $\frac{5}{\sqrt{11}}$ x) $\frac{3}{2\sqrt{8}}$ y) $\frac{9}{\sqrt{12}}$ z) $\frac{2}{3\sqrt{6}}$