**Rationalising the Denominator**

Rationalise the denominator.

(a) $\frac{1}{\sqrt{5}}$ (b) $\frac{2}{\sqrt{5}}$

(c) $\frac{2}{\sqrt{7}}$ (d) $\frac{\sqrt{2}}{\sqrt{7}}$

(e) $\frac{2\sqrt{2}}{\sqrt{5}}$ (f) $\frac{2}{3\sqrt{5}}$

Rationalise the denominator.

(a) $\frac{6\sqrt{2}}{\sqrt{6}}$ (b) $\frac{5\sqrt{2}}{\sqrt{10}}$

(c) $\frac{5\sqrt{3}}{\sqrt{6}}$ (d) $\frac{2\sqrt{6}}{\sqrt{15}}$

Rationalise the denominator.

(a) $\frac{1+\sqrt{2}}{\sqrt{5}}$ (b) $\frac{2-\sqrt{2}}{\sqrt{5}}$

(c) $\frac{2-3\sqrt{2}}{\sqrt{7}}$ (d) $\frac{5+\sqrt{5}}{\sqrt{3}}$

(e) $\frac{10-\sqrt{2}}{\sqrt{3}}$ (f) $\frac{2+\sqrt{3}}{3\sqrt{5}}$

Rationalise the denominator.

(a) $\frac{1}{2+\sqrt{5}}$ (b) $\frac{2}{2-\sqrt{5}}$

(c) $\frac{\sqrt{2}}{3+\sqrt{7}}$ (d) $\frac{2\sqrt{5}}{3-\sqrt{7}}$

(e) $\frac{10\sqrt{2}}{5+\sqrt{3}}$ (f) $\frac{2+\sqrt{3}}{3-\sqrt{5}}$

(g) $\frac{2+\sqrt{3}}{5+\sqrt{3}}$ (h) $\frac{2+3\sqrt{3}}{3-4\sqrt{5}}$

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