

Rationalising Surds

Name:	Class:	Date:
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Mark	/ 8	%
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1) Rationalise the denominator

[8]

a) $\frac{8}{\sqrt{3}}$

b) $\frac{-6}{\sqrt{11}}$

c) $\frac{16}{\sqrt{48}}$

d) $\frac{20}{\sqrt{75}}$

e) $\frac{7}{4 - \sqrt{5}}$

f) $\frac{-1}{4 - \sqrt{6}}$

g) $\frac{-40}{5 - \sqrt{5}}$

h) $\frac{-4}{2 - \sqrt{2}}$

Solutions for the assessment Rationalising Surds

1) a) $\frac{8\sqrt{3}}{3}$

b) $\frac{-6\sqrt{11}}{11}$

c) $\frac{4\sqrt{3}}{3}$

d) $\frac{4\sqrt{3}}{3}$

e) $\frac{28 + 7\sqrt{5}}{11}$

f) $\frac{-4 - \sqrt{6}}{10}$

g) $-10 - 2\sqrt{5}$

h) $-4 - 2\sqrt{2}$