

RATIONALISING DENOMINATOR OF SURDS – HARDER TYPE

Name: _____

Rationalise the denominator and simplify as much as possible;

Q1. $\frac{1}{\sqrt{3}-1}$

Q5. $\frac{\sqrt{5}}{\sqrt{5}-1}$

Q2. $\frac{1}{\sqrt{5}-\sqrt{3}}$

Q6. $\frac{2\sqrt{3}}{\sqrt{6}+\sqrt{3}}$

Q3. $\frac{\sqrt{3}}{\sqrt{3}-1}$

Q7. $\frac{\sqrt{7}}{\sqrt{7}+\sqrt{14}}$

Q4. $\frac{1}{\sqrt{2}-1} + \frac{1}{\sqrt{2}+1}$

Q8. $\frac{\sqrt{3}-1}{\sqrt{3}+1}$