Surds: Rationalising the Denominator (2)

1. $\frac{2}{\sqrt{2}+3}$

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

3. $\frac{2}{3-\sqrt{2}}$

4. $\frac{7}{3-\sqrt{2}}$

5.$ \frac{7}{\sqrt{2}-3}$

6.$ \frac{7}{\sqrt{7}-3}$

7. $\frac{\sqrt{7}}{\sqrt{7}-3}$

8. $\frac{√5}{\sqrt{5}-3}$

9.$ \frac{√5}{5-√3}$

10.$ \frac{2√5}{5-√3}$

11.$ \frac{4√5}{5-√3}$

12.$ \frac{4\sqrt{5}}{5-2\sqrt{3}}$

13. $\frac{4√5}{5-3√3}$

14. $\frac{4√3}{5-3√3}$

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Surds: Rationalising the Denominator (2) ANSWERS

1. $\frac{6-2\sqrt{2}}{7}$

2.$\frac{6-2\sqrt{2}}{7}$

3.$ \frac{6+2\sqrt{2}}{7}$

4.$3+√2$

5. $-3-√2$

6.$-\frac{21+7\sqrt{7}}{2}$

7. $-\frac{7+3\sqrt{7}}{2}$

8. $-\frac{5+3\sqrt{5}}{4}$

9. $\frac{√15+5\sqrt{5}}{22}$

10. $\frac{√15+5\sqrt{5}}{11}$

11. $\frac{2√15+10\sqrt{5}}{11}$

12. $\frac{8√15+20\sqrt{5}}{13}$

13. $-6\sqrt{15}-10√5$

14. $-18-10√3$

Surds: Rationalising the Denominator (2) ANSWERS

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10. $\frac{√15+5\sqrt{5}}{11}$

11. $\frac{2√15+10\sqrt{5}}{11}$

12. $\frac{8√15+20\sqrt{5}}{13}$

13. $-6\sqrt{15}-10√5$

14. $-18-10√3$