

Rationalizing Denominators Worksheet**Rationalize each denominator. When possible, simplify by reducing the resulting fraction.**

Ex.. $\frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{4}} = \frac{\sqrt{2}}{2}$

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

3. $\frac{1}{\sqrt{7}}$

4. $\frac{6}{\sqrt{2}}$

5. $\frac{15}{\sqrt{5}}$

6. $\frac{42}{\sqrt{7}}$

7. $\frac{1}{\sqrt{81}}$

8. $\frac{2}{\sqrt{11}}$

9. $\frac{4}{\sqrt{2}}$

10. $\frac{1}{\sqrt{3}}$

11. $\frac{1}{\sqrt{225}}$

12. $\frac{1}{3\sqrt{16}}$

$$13. \frac{8}{3\sqrt{2}}$$

$$14. \frac{2}{\sqrt{3}}$$

$$15. \frac{1}{\sqrt{2}}$$

$$16. \frac{1}{\sqrt{12}}$$

$$17. \frac{11}{\sqrt{121}}$$

$$18. \frac{12}{\sqrt{36}}$$

$$19. \frac{2}{\sqrt{300}}$$

$$20. \frac{1}{3\sqrt{2}}$$

$$21. \frac{7}{\sqrt{3}}$$

$$22. \frac{18}{\sqrt{27}}$$

$$23. \frac{6}{2\sqrt{7}}$$

$$24. \frac{8}{3\sqrt{2}}$$