

Write in simplest radical form:

1. $\sqrt[4]{16x^4y^2} = 2x\sqrt{y}$

8. $6\sqrt[3]{16} - 2\sqrt[3]{54} = 6\sqrt[3]{2}$

15. $\sqrt[3]{x^2} \cdot \sqrt[4]{x} = \sqrt[12]{x^{11}}$

2. $\sqrt[5]{p^{10}} = p^2$

9. $10\sqrt[3]{54} = 30\sqrt[3]{2}$

16. $\frac{xy^{\frac{1}{2}}}{x^{\frac{3}{4}}y^{-2}} = y^2\sqrt[4]{xy^2}$

3. $\sqrt[4]{81x^5y^8z^6} = 3xy^2z\sqrt[4]{xz^2}$

10. $9^{\frac{3}{2}} = 27$

17. $\frac{\sqrt[3]{y^6}}{\sqrt[3]{27y} \cdot \sqrt[3]{y^{11}}} = \frac{1}{3y^2}$

4. $\sqrt[3]{\frac{125}{64}} = \frac{5}{4}$

11. $\frac{1}{x^{\frac{5}{4}}} = x\sqrt[4]{x}$

18. $\left(y \cdot y^{\frac{1}{4}}\right)^{\frac{4}{3}} = y^3\sqrt[3]{y^2}$

5. $\sqrt[3]{\frac{64}{27}} = \frac{4}{3}$

12. $-(81)^{\frac{1}{4}} = -3$

19. $(y^3)^{\frac{1}{6}} = \sqrt{y}$

6. $\sqrt[3]{27w^9y^6} = 3w^3y^2$

13. $\left(x^{\frac{1}{5}}\right)^{\frac{5}{2}} = \sqrt{x}$

20. $x^{\frac{1}{3}} \cdot x^{\frac{1}{5}} = \sqrt[15]{x^8}$

7. $32^{\frac{2}{5}} = \frac{1}{4}$

14. $\sqrt[4]{\sqrt[3]{x^2}} = \sqrt[6]{x}$