

4.1 Radicals and Exponents

1. $\sqrt[5]{y^2}$

2. $\sqrt[7]{x}$

3. $\sqrt[4]{x^3y^5}$

4. $\frac{1}{\sqrt[3]{x^2}}$

5. $x^{\frac{1}{5}}$

6. $x^{\frac{8}{3}}$

7. $(x^5y^7)^{\frac{1}{2}}$

8. $-(x^2y^{12})^{\frac{1}{6}}$

9. $x^{\frac{1}{5}}$

10. x^4y^5

11. $x^{\frac{31}{15}}$

12. $x^3y^8x^{20}$

13. $2x^2y^{14}$

14. $x^{\frac{4}{5}}$

15. $5\sqrt[8]{x^7}$