

ALL STEPS MUST BE SHOWN TO RECEIVE FULL CREDIT

Write in exponential form

1. $\sqrt{5y}$

2. $\sqrt{6a^3}$

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

Write in radical form.

4. $x^{4/3}$

5. $a^{1.5}$

6. $a^{-1.6}$

7. $y^{-3/4}$

Simplify.

8. $\left(\frac{x^9}{y^6}\right)^{-1/3}$

9. $\left(\frac{a^{-4}}{b^{12}}\right)^{1/4}$

10. $(16x^{-12}y^2)^{-1/2}$

11. $(9a^4b^{-8})^{1/2}$

12. $16^{1.5}$

13. $4^{-1.5}$

14. $(-27)^{2/3}$

15. $25^{3/2}$

16. $3^{1/3} \cdot 9^{1/3}$

17. $36^{1/2}$