

CH.1 PRACTICE QUIZ

NO CALCULATOR!!

Simplify. (Your answer should not contain an exponent.)

1. $4^{-3} =$

2. $0^6 =$

3. $6^0 =$

4. $32^{\frac{3}{5}} =$

5. $(-8)^{\frac{2}{3}} =$

6. $27^{-\frac{2}{3}} =$

7. $-81^{-\frac{1}{2}} =$

8. $(-81^{\frac{1}{4}} + 144^{\frac{1}{2}})^{\frac{1}{2}} =$

Simplify.

(Express answer in exponential form.)

9. $\frac{5^8}{5^2} =$

10. $2^3 \cdot 2^6 =$

11. $(3a^2b^5)^4 \cdot a^3b^{12} =$

12. $5\sqrt[4]{16x^{12}y^3} =$