

Homework

Simplify the following expressions without a calculator.

1) $\sqrt[5]{864}$

2) $\sqrt[4]{18225}$

3) $\sqrt[3]{63000}$

p. 469: 5-12

Evaluate the expression without using a calculator.

5. $8^{5/3}$

6. $16^{-3/2}$

7. $(\sqrt[3]{-27})^2$

8. $(\sqrt[3]{64})^{-4}$

9. $\sqrt[3]{88}$

10. $\sqrt[5]{16} \cdot \sqrt[5]{8}$

11. $\sqrt{\frac{12}{49}}$

12. $\frac{\sqrt[3]{24}}{\sqrt[3]{9}}$