

Quiz 77

Simplify. Write your answers in exponential form with positive exponents.

1. $x^{1/2} \cdot x^{2/3}$

2. $(8x^{1/4})^{4/3}$

3. $\left(\frac{27x^{5/4}}{x^{1/2}}\right)^{2/3}$

Simplify. Write your answers in radical form.

4. $\sqrt{x} \cdot \sqrt[3]{x}$

5. $\frac{\sqrt[6]{x^5}}{\sqrt[3]{x}}$