Exercise 11

Radicals and Exponents Write each radical expression using exponents, and each exponential expression using radicals.

Radical expression	Exponential expression
11.	$4^{2/3}$

Solution

Write the exponential expression as a radical expression.

$$4^{2/3} = 4^{2\left(\frac{1}{3}\right)} = (4^2)^{1/3} = \sqrt[3]{4^2}$$