

Exercise 10

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

	Radical expression	Exponential expression
10.	$\sqrt[3]{7^2}$	<input type="text"/>

Solution

Write the radical expression as an exponential expression.

$$\sqrt[3]{7^2} = (7^2)^{1/3} = 7^{2(\frac{1}{3})} = 7^{2/3}$$