

Exercise 15

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

	Radical expression	Exponential expression
15.	<input type="text"/>	$a^{2/5}$

Solution

Write the exponential expression as a radical expression.

$$a^{2/5} = a^{2(\frac{1}{5})} = (a^2)^{1/5} = \sqrt[5]{a^2}$$