

Converting Rational Exponents to Radical Form & Simplify

Exponent Form	Radical Form	Simplified
$64^{\frac{1}{2}}$	$(\sqrt{\quad})$	
$(-64)^{\frac{1}{3}}$	$(\sqrt{\quad})$	
$(-64)^{\frac{1}{2}}$	$(\sqrt{\quad})$	
$32^{\frac{1}{5}}$	$(\sqrt{\quad})$	
$16^{\frac{3}{4}}$	$(\sqrt{\quad})$	
$\left(\frac{100}{9}\right)^{\frac{-3}{2}}$	$\left(\sqrt{\quad}\right)$	—
$-27^{\frac{-4}{3}}$	$\left(\sqrt{\quad}\right)$	—
$49^{\frac{-3}{2}}$	$\left(\sqrt{\quad}\right)$	—

