

Name	Rule	Example
Power of Product	$(xy)^a = x^a y^a$	1. $(6xy)^2 =$
Power of Quotient	$\left(\frac{x}{y}\right)^a = \frac{x^a}{y^a}, y \neq 0$	1. $\left(\frac{6x}{y}\right)^2 =$
Fractional Exponent	$x^{\frac{a}{b}} = \left(\sqrt[b]{x}\right)^a \text{ or } \left(\sqrt[b]{x}\right)^a$	1. $8^{\frac{2}{3}} =$
Zero Exponent	$X^0 = 1$	1. $101^0 =$