

Converting to Exponential Form

Convert to exponential form then simplify.

$$\sqrt[8]{y^4}$$

$$\sqrt[3]{6^3}$$

$$\sqrt[10]{x^8}$$

$$(\sqrt{5})^2$$

For future reference: Square Root of x^2 : $(x^2)^{1/2} = |x|$ for any real number x

For some applications, one may need to note the results using absolute value when taking the even root of an even power.