

6.4 Mid Chapter Review

What we know so far...Exponent Laws

Multiplying Powers $a^m \times a^n = a^{m+n}$

Dividing Powers $a^m \div a^n = a^{m-n}$

Power of a Power $(a^m)^n = a^{mn}$

Zero Exponent $a^0 = 1$

Negative Exponent $a^{-m} = \frac{1}{a^m}$

Power of a Product $(ab)^m = a^m b^m$

Power of a Quotient $\left(\frac{a}{b}\right)^m = \frac{a^m}{b^m}$

Rational Exponents $a^{\frac{m}{n}} = \left(\sqrt[n]{a}\right)^m$



Practice time...

Handout 6.4