

## Notes #9 ~ Sect. 8.5: Division Properties of Exponents (Part 2)

Raising a Quotient to a Power:

$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$

Ex. 1: Simplify each expression.

$$a) \left(\frac{3}{y^3}\right)^4 =$$

$$b) \left(\frac{t^7}{2^3}\right)^2 =$$

$$c) \left(\frac{2}{3}\right)^{-3} =$$

$$d) \left(-\frac{7a}{m}\right)^{-2} =$$