e) 10^0

1

f) x^{-6}

$\frac{1}{x^6}$

g) $3x^{-2}$

$\frac{3}{x^2}$

h) $\frac{1}{n^{-3}}$

n^3

i) $4c^{-3}d$

$\frac{4d}{c^3}$

j) $\frac{2}{a^{-8}}$

Stay

only parts to move

$2a^8$

k) $\frac{n^{-5}}{m^2}$

Stay

$\frac{1}{n^5 m^2}$

l) $\frac{3x^0y^{-4}}{2^{-1}z^2}$

$\frac{2^1 \cdot 3x^0 \cdot 1}{z^2 y^4}$

$\frac{2^1 \cdot 3 \cdot 1}{z^2 y^4}$

$\frac{6}{z^2 y^4}$

$\frac{\text{numerator} \cdot 1}{\text{denominator} \cdot 1}$

Evaluating Exponential Expressions:

Substitute variable w/number

*Use parentheses!

Example 2: What is the value of each expression for n = (-2) and w = (5)?

MATH ENTER ENTER

ALPHA Y= ENTER

a) $n^{-4}w^{0}$

$(-2)^{-4}(5)^{0} = \frac{1}{16}$

b) $\frac{n^{-1}}{w^{2}}$

$-\frac{1}{50}$

c) $\frac{n^{0}}{w^{3}}$

$\frac{1}{125}$

d) $2n^{-3}w^{2}$

$\frac{-25}{4}$