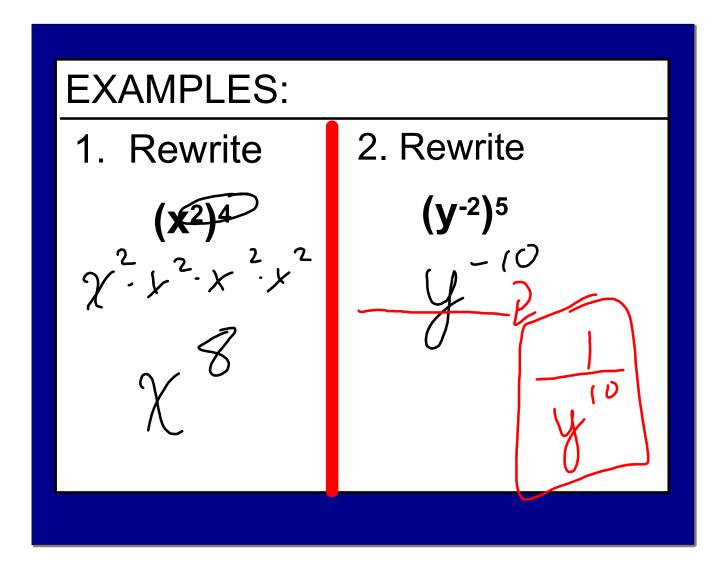
POWER TO POWER RULE

IF AN EXPONENT IS RAISED TO ANOTHER EXPONENT, THEN THE FOLLOWING RULE APPLIES....

$$(x_m)_n = x_{m,n}$$



POWER TO POWER RULE

DON'T FORGET TO DISTRIBUTE THE EXPONENT TO EVERYTHING IN THE PARENTHESES



EXAMPLES:

3. Rewrite

$$(2a)^{3} - 2^{3}a^{3}$$
 $2a \cdot 2a \cdot 2a$
 $8a^{3} - 2a^{3}$

4. Rewrite $(2cd^4)^2(cd)^5$ $2^2c^2d^8$

$$4cd - 3d^{3} = \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix}$$

EXPONENTS: CALCULATOR

FOR POWERS BIGGER THAN "3" USE YOUR CALCULATOR

