

SECTION 6.1: PROPERTIES OF EXPONENTS

Homework: _____

Multiplying with Exponents: When multiplying, you _____ the exponents

$$a^4 \cdot 3a^2b = \underline{\hspace{4cm}}$$

Raising Exponents to Another Power: When raising exponents to another power, you _____ the exponents

$$(2ab^3)^4 = \underline{\hspace{4cm}}$$

Negative Exponents: If you have a negative exponent on top, it _____
If you have a negative exponent on the bottom, it _____

$$\frac{5x^2}{x^{-3}} = \underline{\hspace{4cm}}$$

$$3x^{-4}yz^3 = \underline{\hspace{4cm}}$$

Zero Power: Any value raised to the zero power is _____

$$6a^3b^0 = \underline{\hspace{4cm}} \qquad (3xy^3)^0 = \underline{\hspace{4cm}}$$