Zero Exponents Section 10.6

Exponents & Negative numbers

- When negative numbers are raised to an exponent, the following rules hold true:
 - If the exponent is odd- the answer is negative
 - If the exponent is even- the answer is positive
- Examples:

Zero Exponent

$$a^0 = 1, a \neq 0$$

EXAMPLES

1.
$$x^0 y^5$$

$$2. \quad (xyz)^0$$

$$\left(\frac{a^{4}b^{4}}{a^{2}b^{4}}\right) = a^{3}b$$

$$\frac{a^5b^4c^0}{a^5b}$$

CLASSWORK • Wkst 8.2

HOMEWORK

⊚ Pg 251 # 1-12