

Name: _____

Period: 3/4/8

Answer with fractions and whole numbers

$$(-13)^0 =$$

$$(4)^{-2} =$$

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$$658743^0 =$$

Examples for simplifying exponents:

$$9^{-2} = \frac{1}{9^2} = \frac{1}{9 \times 9} = \frac{1}{81}$$

$$(-3.6)^0 = 1$$

Write down the simplified form of these expressions

a. $4^{-3} =$

b. $(-5)^0 =$

c. $3^{-2} =$

d. $6^{-1} =$

e. $(-4)^{-2} =$

Examples for simplifying expressions:

$$5a^3b^{-2} = 5a^3 \times \frac{1}{b^2} = \frac{5a^3}{b^2}$$

$$\frac{1}{x^5} = 1/x^5 = 1/\frac{1}{x^5} = 1 \cdot x^5 = x^5$$



$$\frac{1}{x^5}$$

Simplify these expressions

a. $x^{-9} =$

b. $1/n^{-3} =$

c. $4c^{-3}b =$

d. $2/a^{-3} =$

e. $n^{-5}/m^2 =$

When you have completed this page, return to Mr.T