

Name \_\_\_\_\_

## PROPERTIES OF EXPONENTS

## ERROR ANALYSIS

Describe the mistake made in simplifying each expression. Be sure to write about how to simplify correctly, fix the mistake, and give the correct answer in exponential form.

a.

$$\cancel{(-2)^2 (-2)^3 = 4^5}$$

b.

$$\cancel{\frac{x^8}{x^2} = x^4}$$

c.

$$\cancel{x^4 \cdot x^3 = x^{12}}$$