

d. **Analytical** What conclusion can be drawn from this?

H.O.T. Problems Use Higher-Order Thinking Skills

61. **REASONING** Is $x^y \cdot x^z = x^{yz}$ sometimes, always, or never true? Explain.
62. **OPEN ENDED** Name two monomials with a quotient of $24a^2b^3$.
63. **CHALLENGE** Use the Quotient of Powers Property to explain why $x^{-n} = \frac{1}{x^n}$.
64. **CCSS REGULARITY** Write a convincing argument to show why $3^0 = 1$.
65. **WRITING IN MATH** Explain how to use the Quotient of Powers property and the Power of a Quotient property.

