

Challenge Problems

5.6

NAME _____

Module 5 Decimal Operations, Exponents, and Powers
Lesson 6 Powers and Exponents

Set 1

1 Express each product using exponents.

$2^3 \times 2^4$

$3^2 \times 3^3$

$8^4 \times 8^{-4}$

2 Use the results of Problem 1 to make a conjecture about multiplying powers with the same base.