

Master 2.17

Extra Practice 1

Lesson 2.1: What Is a Power?

1. Identify the base of each power.

a) 6^3

b) 2^7

c) $(-5)^4$

d) -7^0

2. Use repeated multiplication to show why 3^5 is not the same as 5^3 .

3. Complete this table.

Power	Base	Exponent	Repeated Multiplication	Standard Form
4^4				
$(-10)^3$				
	-6	2		
			$1 \times 1 \times 1 \times 1 \times 1$	

4. Write each product as a power, then evaluate.

a) 6×6

b) $3 \times 3 \times 3 \times 3 \times 3 \times 3$

c) $10 \times 10 \times 10 \times 10$

d) $-(8 \times 8 \times 8)$

e) $(-8)(-8)(-8)$

f) $-(-8)(-8)(-8)$

5. Write each power as repeated multiplication, then evaluate.

a) 7^5

b) 4^6

c) -9^3

d) $(-5)^5$

