

3.2 Warm Up

1. Write in exponential form.

a) $6 \times 6 \times 6 \times 6 =$ _____

b) $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 =$ _____

c) $(-4) \times (-4) \times (-4) \times (-4) \times (-4) =$ _____

d) $(-9) \times (-9) =$ _____

2. Evaluate.

a) 3^4

b) $(-2)^3$

c) $(-1)^7$

d) -2^2

e) $-(-4)^2$

f) -5^2

3. Complete the table.



Repeated Multiplication	Exponential Form	Value
a) $5 \times 5 \times 5 \times 5$		625
b) $(-3) \times (-3) \times (-3)$	$(-3)^3$	
c)		25
d)	$(-7)^2$	
e) $(-10) \times (-10) \times (-10) \times (-10)$		

4. Arrange the powers in ascending order.

Evaluate each power.

$(-3)^3$ $(-4)^2$ 1^{10} -2^4