

Match the following problems to the Repeated Multiplication Form listed on the right:

1. -6^5

A. $6 \times 6 \times 6 \times 6 \times 6$

2. $(-6)^5$

B. $-(11 \times 11 \times 11 \times 11 \times 11)$

3. 6^5

C. $(-6) \times (-6) \times (-6) \times (-6) \times (-6)$

4. 11^5

D. $11 \times 11 \times 11 \times 11 \times 11$

5. $(-11)^5$

E. $-(6 \times 6 \times 6 \times 6 \times 6)$

6. -11^5

F. $(-11) \times (-11) \times (-11) \times (-11) \times (-11)$

Complete the following table:

Power	Repeated Multiplication Form	Value
8^3		512
	$2 \times 2 \times 2 \times 2$	
	$(-7) \times (-7) \times (-7) \times (-7)$	2,401
$(-3)^5$		

What is the definition of the following properties?

Hint Use your math journal!

Product of Powers Property:

Quotient of Powers Property: