

Exponent Notation Review

Name: _____

Date: _____

Part A: Identify the Base and Exponent

Write the base and exponent for each expression.

1. $5^3 \rightarrow$ Base: _____ Exponent: _____

2. $2^6 \rightarrow$ Base: _____ Exponent: _____

3. $10^4 \rightarrow$ Base: _____ Exponent: _____

4. $7^2 \rightarrow$ Base: _____ Exponent: _____

Part B: Write in Expanded Form

Write each expression in expanded form (as repeated multiplication).

1. $3^4 =$ _____

2. $8^2 =$ _____

3. $2^5 =$ _____

4. $6^3 =$ _____

Part C: Evaluate

Calculate the value of each expression.

1. $4^2 =$ _____

2. $2^4 =$ _____

3. $5^3 =$ _____

4. $10^3 =$ _____

5. $3^3 =$ _____

6. $2^6 =$ _____

7. $1^5 =$ _____

8. $9^2 =$ _____

Part D: Write in Exponential Form

Write each expression using exponents.

1. $7 \times 7 \times 7 =$ _____

2. $2 \times 2 \times 2 \times 2 \times 2 =$ _____

3. $10 \times 10 \times 10 \times 10 =$ _____

4. $6 \times 6 =$ _____

Part E: Convert to Standard Form

Write each number in standard form (without exponents).

1. $10^2 =$ _____

2. $10^5 =$ _____

3. $10^4 =$ _____

4. $10^6 =$ _____