Exponent Notation Review

Name: _____ Date: _____

Part A: Identify the Base and Exponent

Write the base and exponent for each expression.

1. 5^3 → Base: _____ Exponent: _____
2. 2^6 → Base: _____ Exponent: _____
3. 10^4 → Base: _____ Exponent: _____
4. 7^2 → 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 × 7 × 7 = _____
2. 2 × 2 × 2 × 2 × 2 = _____
3. 10 × 10 × 10 × 10 = _____
4. 6 × 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 = _____