

1. Identify both the BASE and the EXPONENT in each of the following numbers:

/ 1

A) 5^3

B) 4^7

2. Expand each of the following exponent numbers:

/ 1

A) $7^5 =$ _____

B) $6^3 =$ _____

3. Rewrite the following expressions as exponent numbers:

/ 1

A) $8 \times 8 \times 8 \times 8 =$ _____

B) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 =$ _____

4. Evaluate the following exponent numbers (be sure to show your work):

/ 3

A) $7^3 =$

B) $9^6 =$

C) $10^5 =$

5. Evaluate the following (be sure to show your work):

/ 3

A) $3^4 + 3^3 =$

B) $7^2 + 7^5 =$

6. Demonstrate that $5^0 = 1$:

/ 1