Math 10F - Powers and Exponents \#1 - Understanding and Evaluating Name:

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:
A) $7^{5}=$
B) $6^{3}=$ $\qquad$
3. Rewrite the following expressions as exponent numbers:
A) $8 \times 8 \times 8 \times 8=$ $\qquad$ 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):
A) $7^{3}=$
в) $9^{6}=$
c) $10^{5}=$

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5. Evaluate the following (be sure to show your work):
A) $3^{4}+3^{3}=$
B) $7^{2}+7^{5}=$
6. Demonstrate that $5^{0}=1$ :

