Rewrite each expression using exponents. 1ST Box = Base 2nd Box = Exponent

example: $7 \times 7 \times 7 \times 7$ - 7^4

a. $6 \times 6 \times 6 \times 6 \times 6$ _____

b. $3 \times 3 \times 3 \times 3$ _____

c. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ _____

d. 9×9 _____

e. $31 \times 31 \times 31 \times 31 \times 31 \times 31$ _____

f. $14 \times 14 \times 14$ _____

Rewrite each exponent in expanded form.

example: 5^6 - $5 \times 5 \times 5 \times 5 \times 5 \times 5$

g. 8^4 - _____

h. 4^9 - _____

i. 13^2 - _____

j. 100^6 - _____

Rewrite each exponent in standard form. You can use a calculator

example: $6^3 = 216$

k. 5^2 _____

n. 9^3 _____

l. 7^4 _____

o. 1^{12} _____

m. 4^3 _____

p. 2^6 _____

1st Box Base 2nd Box Exponent

(base and exponent)

1. Write 5 x 5 x 5 x 5 x 5 x 5 in exponential form. _____

2. Write 7^4 in expanded form. _____

3. Write each number below in standard form. You can use a calculator.

2^5 _____ 3^3 _____ 11^2 _____ 4^3 _____

4. Write the base of each number.

8^7 _____ 7^9 _____ 25^{10} _____ 12^4 _____

5. If you write 14^5 in expanded form, how many factors will there be? _____