

Chapter 3 Problem I (+1)
Scientific Notation Worksheet

Name _____

I. Express the following numbers using scientific notation:

- | | |
|---------------|------------|
| a) 10,000 | b) 0.62 |
| c) 0.0001 | d) 328,500 |
| e) 0.003 | f) 28 |
| g) 0.0175 | h) 371 |
| i) 0.00900 | j) 134.2 |
| k) 48,000,000 | l) 0.9432 |
| m) 0.0000004 | n) 72.88 |

II. Write the following numbers in the standard form:

- | | |
|--------------------------|--------------------------|
| a) 1.00×10^5 | b) 4×10^2 |
| c) 5×10^{-6} | d) 1×10^{-12} |
| e) 3.2×10^{-2} | f) 1.9×10^0 |
| g) 4.00×10^{-8} | h) 4.3×10^3 |
| i) 44.2×10^2 | j) 3.87×10^{-5} |

III. Carry out the following operation, using scientific notation:

- | | |
|---|-------------------------------------|
| a) 6000×0.004 | b) $6 / 30,000$ |
| c) 50×0.0000002 | d) $90 \times 0.02 \times 0.00001$ |
| e) $0.006 / 0.2$ | f) $4850 - 370$ |
| g) $450 + 250 + 7500$ | h) $400 / 200,000$ |
| i) $0.0002 \times 8000 \times 0.02 \times 2000$ | j) $13 \times 0.000001 \times 4000$ |

IV. Problem 1-4 on Page 53: