

## Notes #3 ~ Sect. 8.2: Scientific Notation (Part 1)

Scientific Notation :  $a \times 10^n$ , where  $n$  is an integer and  $1 \leq a < 10$ .

Ex. 1 : Is each number written in scientific notation? If not, explain.

a)  $0.46 \times 10^4$

b)  $3.25 \times 10^{-2}$

c)  $13.2 \times 10^6$

Ex. 2: Write each number in scientific notation.

a) 234,000,000

b) 0.000063

c) 46,205,000

d) 0.000000009

Ex. 3: Write each number in standard notation.

a)  $8.8 \times 10^4$

b)  $7.3 \times 10^{-5}$

c)  $3.2 \times 10^{12}$

d)  $8.3 \times 10^{-2}$