



Nov 7-7:58 PM

## Using Scientific Notation

Used to write very large or very small numbers

EX:

$$2.3 \times 10^6 \text{ km} = 2,300,000 \text{ km}$$

### **Light year-distance light can travel in a year**

- *light travels at 300,000 km/s*

$$(60s \times 60min \times 24h \times 365 \text{ days} \times 300,000) \quad 9.46 \times 10^{12} \text{ km}$$

Alpha Centauri-  
our nearest star other than our own Sun is 4.3 light years

*Table 1, p. 445*

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