

## Math Review & Problem-Solving 4

1. Make the following conversions:

A)  $5.66 \text{ m}^3$  to  $\text{dm}^3$

B)  $67.3 \text{ nm}$  to  $\text{cm}$

C)  $279.5 \text{ }\mu\text{g}$  to  $\text{mg}$

D)  $67.3 \text{ feet}$   $\rightarrow$   $\text{dm}$

E)  $4.52 \times 10^8 \text{ nm}^3 \rightarrow \text{ }\mu\text{m}^3$

2. Express the results of the following computations to the correct number of significant figures.

A)  $25 \times 3.11 =$

F)  $\frac{3.32 \times 10^5 - 4.5 \times 10^4}{83.12} =$

B)  $65.3 - 788 =$

G)  $\frac{0.00300 \times 16.254 \times 7000.}{2.311 \times 10^{-5}} =$

C)  $256,000 + 87 =$

D)  $0.23100 - 0.0198 =$

H)  $\frac{2.500 \times 10^{10}}{3.12 \times 10^{-3}} + 4.15 \times 10^{14} =$

E)  $5 \times 225.1 =$