

CHAPTER ONE - SOLUTIONS

1

$$a) 5.0 \text{ m} \left[\frac{3.0 \text{ ft}}{0.9144 \text{ m}} \right] = 16.4 \text{ ft}$$

$$b) 5.3 \mu\text{l} \left[\frac{1.0 \text{ L}}{1.0 \times 10^6 \mu\text{L}} \right] = 5.3 \times 10^{-6} \text{ L}$$

2

$$1.61 \text{ m}^2 \left[\frac{3.0 \text{ ft}}{0.9144 \text{ m}} \right]^2 = 17.3 \text{ ft}^2$$

3

0.00172
HAS 3 SIGNIFICANT FIGURES

12.020
HAS 5 SIGNIFICANT FIGURES

4

$$\begin{array}{r}
 756 \\
 37.2 \\
 0.83 \\
 2.5 \\
 \hline
 796.53
 \end{array}$$

ADD

— ANSWER: 796
3 SIGNIFICANT FIGURES

