

## Common Unit Conversions

### Length

$$1 \text{ in} = 2.54 \text{ cm}$$

$$1 \text{ mi} = 1.61 \text{ km}$$

$$12 \text{ in} = 1 \text{ ft}$$

$$3 \text{ ft} = 1 \text{ yd}$$

$$5280 \text{ ft} = 1 \text{ mi}$$

### Mass

$$1 \text{ lb} = 454 \text{ g}$$

$$16 \text{ oz} = 1 \text{ lb}$$

$$2000 \text{ lb} = 1 \text{ ton}$$

### Volume

$$1 \text{ L} = 1.06 \text{ qt}$$

$$2 \text{ pints} = 1 \text{ qt}$$

$$4 \text{ qt} = 1 \text{ gal}$$

$$1 \text{ mL} = 1 \text{ cm}^3$$

### Density

$$d = m/V$$

$$V = l \times w \times h$$

$$d_{\text{H}_2\text{O}} = 1.0 \text{ g/cm}^3$$

### Temperature

$$K = ^\circ\text{C} + 273$$

$$^\circ\text{F} = (^\circ\text{C} \times 1.8) + 32$$