

## Common Unit Conversions

### **Mass/Weight**

$$1 \text{ kg} = 2.205 \text{ lbs.}$$

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

### **Length/Distance**

$$1 \text{ m} = 1.0936 \text{ yds}$$

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

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

$$1 \text{ mile} = 1.6 \text{ km}$$

$$1 \text{ mile} = 1,760 \text{ yds.}$$

### **Volume**

$$1 \text{ m}^3 = 1000 \text{ l}$$

$$1 \text{ l} = 0.264 \text{ gal}$$

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

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

$$1 \text{ pint} = 2 \text{ cups}$$

$$1 \text{ cup} = 8 \text{ fluid oz.}$$

### **Area**

$$1 \text{ square miles} = 2.56 \text{ km}^2$$

$$1 \text{ km}^2 = 247.1 \text{ acres}$$

$$1 \text{ square mile} = 640 \text{ acres}$$

### **Energy**

$$1 \text{ kilowatt hour} = 3,600,000 \text{ J}$$

### **Power**

$$1 \text{ W} = 1 \text{ N}\cdot\text{m/s}$$

$$1 \text{ HP} = 745.7 \text{ W}$$

### **Angles**

$$1 \text{ rad} = 57.295^\circ$$