

**Table 2** *Common equivalence statements*

<i>mass:</i>	1 lb = 0.4536 kg 16 oz = 1 lb 1 ton = 2000 lb 1 amu = $1.6606 \times 10^{-24}$ g
<i>length:</i>	1 in. = $2.54 \times 10^{-2}$ m = 2.54 cm 1 Å = $10^{-10}$ m = $10^{-8}$ cm 1 ft = 12 in. = 0.3048 m 1 yd = 3 ft = 36 in. = 0.9144 m 1 mi = 1760 yd = 5280 ft = 1609 m
<i>volume:</i>	1 L = $10^{-3}$ m <sup>3</sup> = 1 dm <sup>3</sup> = 10 <sup>3</sup> cm <sup>3</sup> 1 L = 1.06 qt 1 gal = 4 qt = 8 pt = 3.785 L 1 pt = 2 cups = 16 fluid ounces (fl oz)
<i>time:</i>	1 min = 60 s 1 hr = 60 min = 3600 s 1 d = 24 hr = 1440 min = 86,400 s
<i>temperature:</i>	°C = K - 273.15 °C = 5/9(°F - 32)
<i>force:</i>	1 dyn = $10^{-5}$ N
<i>pressure:</i>	1 bar = $10^5$ N/m <sup>2</sup> = $10^5$ Pa 1 torr = 1 mm Hg = 133.322 Pa 1 atm = 760 torr = 101,325 N/m <sup>2</sup> = 101,325 Pa
<i>energy:</i>	1 cal = 4.184 J 1 erg = $10^{-7}$ J 1 eV = $1.6022 \times 10^{-19}$ J