## 9/11

## **A4** Converting Units

Convert between units as specified. Express your answer in standard form if the power of ten is  $\geq 3$ , or  $\leq -3$ . Your answer must include units, as indeed it must in *all* questions with units in this book.

Convert:

A4.1 a) 34.5 mm to nm

b) 34.5 mm to pm

A4.2 2.4 ps to ms

A4.3 a)  $465 \mu A$  to mA

b) 465 μA to kA

A4.4  $43 \times 10^{-7}$  GW to  $\mu W$ 

A4.5  $34 \text{ m}^2 \text{ to cm}^2$ 

A4.6 58 N m to N cm

A4.7 9600  $\mu m^2$  to cm<sup>2</sup>

A4.8  $0.035 \text{ N cm}^{-2}$  to Pa

 $A4.9 ext{ } 450 ext{ kg m}^{-3} ext{ to kg mm}^{-3}$