

## Indices and Standard Form

### *Powers and Index Operations*

1. Evaluate:

a.  $10^5 \times 10^2 \div 10^4$

b.  $\sqrt[3]{27}$

c.  $16^{-1}$

d.  $16^{\frac{1}{4}}$

e.  $32^{\frac{3}{5}}$

f.  $10^0$

g.  $16^{-\frac{3}{4}}$

### *Standard Form*

2. Write as ordinary numbers:

a.  $2.45 \times 10^8$

b.  $1.414 \times 10^{-5}$

3. Write in standard form:

a. 25 000 000 000

b. 0.000 000 000 0122