

Physics -- A bit more practice from Ch. 2

Conversions: Perform the following conversions

1 Angstrom = $1 \cdot 10^{-8}$ cm
 1 mL = 1 cm³

- ① 43.6 mm = _____ cm
- ② 6.2 L = _____ cm³
- ③ 5.7 mm² = _____ m²
- ④ 5.7 mm² = _____ Å²
- ⑤ 0.00905 m³ = _____ mm³
- ⑥ 4.01 km = _____ cm
- ⑦ 4.01 km = _____ m
- ⑧ 4.01 km = _____ mm

Solving formulas for the indicated variable.

⑨ $d = vt + \frac{1}{2}at^2$, for v

⑩ $K = \frac{Mv^2}{2}$, for M

⑪ $Q = Mc \Delta T$ time is 1 variable
 for M

↳ ΔT means change in time

⑫ $\frac{1}{f} = \frac{1}{d_i} + \frac{1}{d_o}$, for d_o

d_i + d_o are NOT the same variable