

Hw 2

①  $0.0227$   $\leftarrow$  2 sig figs

$$\begin{array}{r} 74 \\ + 0.0227 \\ \hline 1.38 \\ \hline 75.4027 \\ \boxed{75} \end{array}$$

②  $180.005 / 3.141 = 57.30818211$

$\uparrow$   
4 sig fig  $\boxed{57.31}$

③  $12.36 \cdot 4.6 = 56.856$

$\uparrow$   
2 sig fig  $\boxed{57}$

④  $(123.4 \text{ cm})(4.57 \text{ cm})(0.813 \text{ cm})$

$= 457.52 \text{ cm}^3$   $\leftarrow$  3 sig fig  $\boxed{458 \text{ cm}^3}$

⑤  $(1.25 \text{ cm})^4 = \boxed{5 \text{ cm}}$

$\uparrow$   
1 sig fig