



角柱・円柱の
体積 5

16

● 円柱の体積

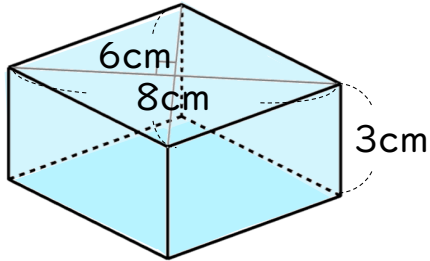
目指せ75点!



名まえ

・次の図のような角柱・円柱の体積を求めましょう。(各25点)

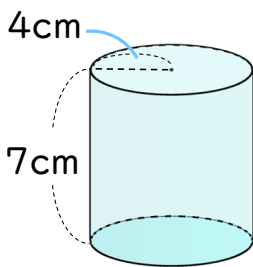
①



式：

答え：

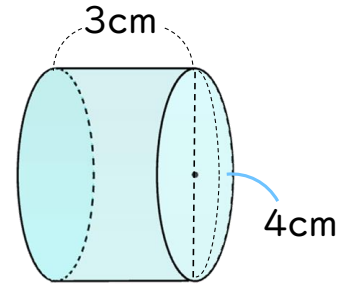
②



式：

答え：

③



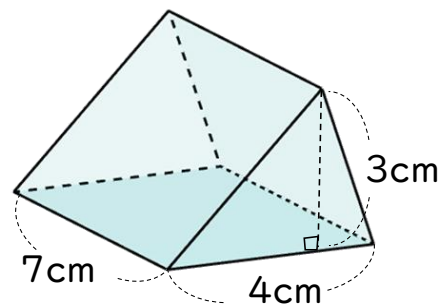
円の半径は

cm

式：

答え：

④



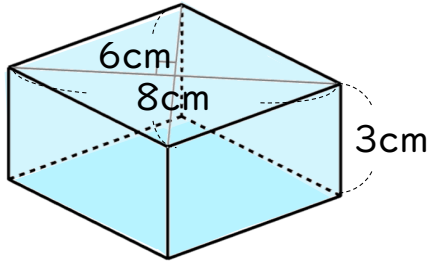
式：

答え：



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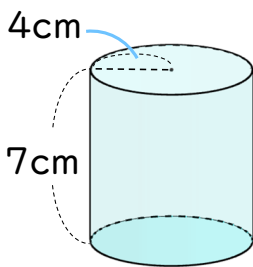
①



$$\begin{aligned}\text{式：} & 6 \times 8 \div 2 \times 3 \\ & = 48 \div 2 \times 3 \\ & = 24 \times 3 \\ & = 72\end{aligned}$$

答え： 72 cm³

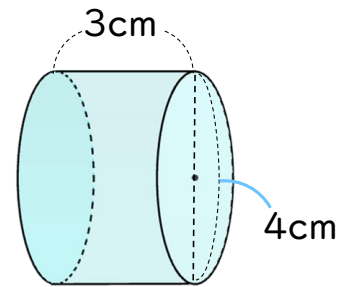
②



$$\begin{aligned}\text{式：} & 4 \times 4 \times 3.14 \times 7 \\ & = 4 \times 4 \times 7 \times 3.14 \\ & = 112 \times 3.14 \\ & = 351.68\end{aligned}$$

答え： 351.68cm³

③

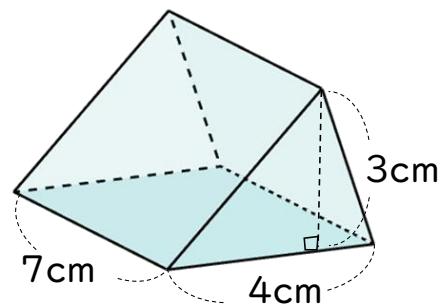


円の半径は $4 \div 2 = 2 \text{ cm}$

$$\begin{aligned}\text{式：} & 2 \times 2 \times 3.14 \times 3 \\ & = 2 \times 2 \times 3 \times 3.14 \\ & = 12 \times 3.14 \\ & = 37.68\end{aligned}$$

答え： 37.68 cm³

④



$$\begin{aligned}\text{式：} & 4 \times 3 \div 2 \times 7 \\ & = 12 \div 2 \times 7 \\ & = 6 \times 7 \\ & = 42\end{aligned}$$

答え： 42 cm³