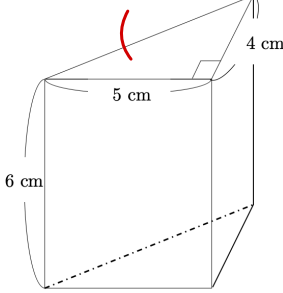
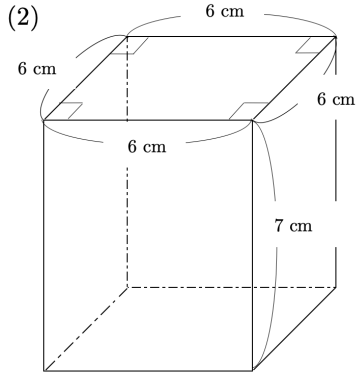


【1】 次の立体の体積を求めなさい。

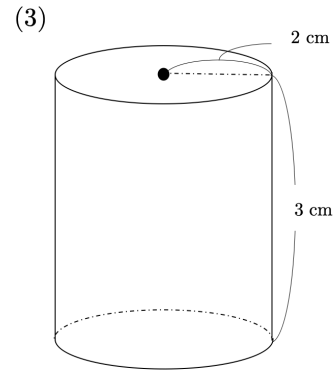
(1) $\frac{1}{2} \times 5 \times 4 = 10$



$10 \times 6 = 60$
 60 cm^3

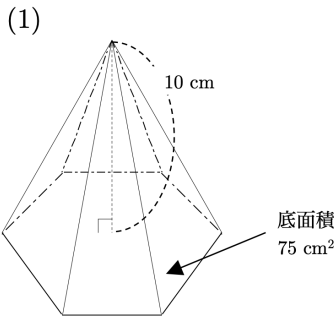


$6 \times 6 \times 7 = 252$
 252 cm^3

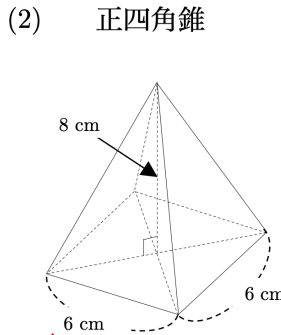


$\pi \times 2^2 \times 3$
 $= 12\pi \quad 12\pi \text{ cm}^3$

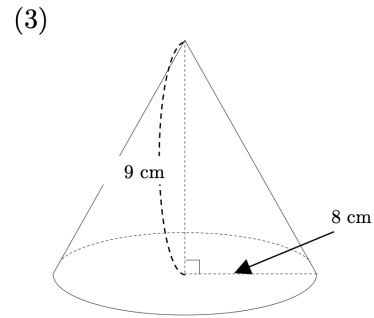
【2】 次の立体の体積を求めなさい。



$\frac{1}{3} \times 75 \times 10 = 250$
 250 cm^3



$\frac{1}{3} \times 6 \times 6 \times 8 = 96$
 96 cm^3



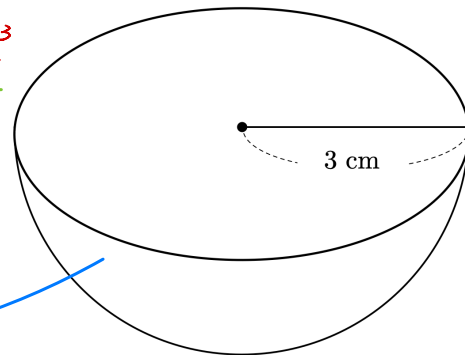
$\frac{1}{3} \times \pi \times 8^2 \times 9 = 192$
 192 cm^3

【3】 次の立体の表面積と体積をそれぞれ求めなさい。

(1) 半径 2 cm の球 $\frac{4}{3} \pi \times 2^3$
 $4\pi \times 2^2 = 16\pi \quad 16\pi \text{ cm}^2 = \frac{32}{3} \pi \quad \frac{32}{3} \pi \text{ cm}^3$

(2) 半径 3 cm の球を半分にした半球

$4\pi \times 3^2 \times \frac{1}{2} + \pi \times 3^2 = 27\pi \quad 27\pi \text{ cm}^2$



$\frac{4}{3} \pi \times 3^3 \times \frac{1}{2} = 18\pi \quad 18\pi \text{ cm}^3$