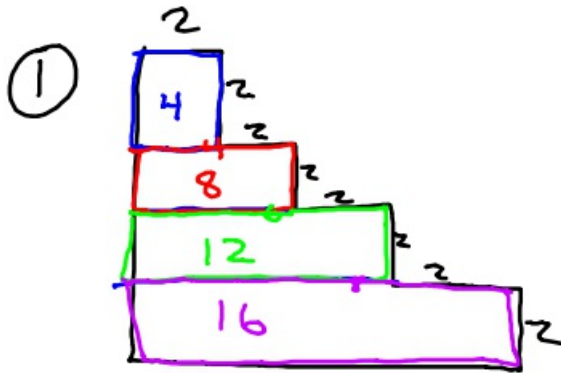
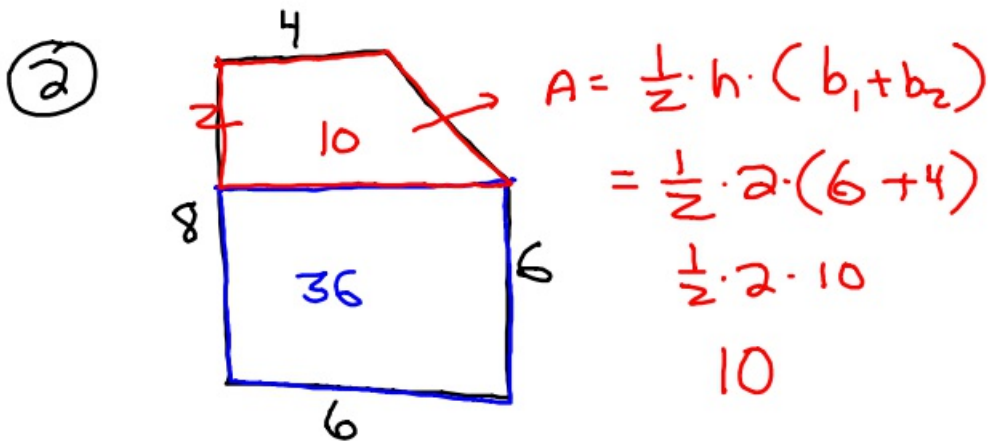


3-2-18 5th Geo

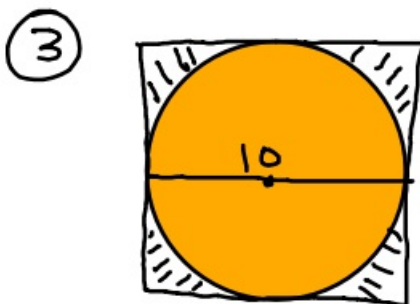


$$4 + 8 + 12 + 16 = 40 \text{ cm}^2$$



$$\begin{aligned} A &= \frac{1}{2} \cdot h \cdot (b_1 + b_2) \\ &= \frac{1}{2} \cdot 2 \cdot (6 + 4) \\ &= \frac{1}{2} \cdot 2 \cdot 10 \\ &= 10 \end{aligned}$$

$$\text{Total} = 46$$



whole-hole

$$\downarrow$$
$$100 - \pi \cdot 5^2$$

$$100 - 78.5$$

$$\approx 21.5$$

④ The volume of a sphere is 1000 cm^3 . What is the radius?

$$V = \frac{4}{3} \cdot \pi \cdot r^3$$

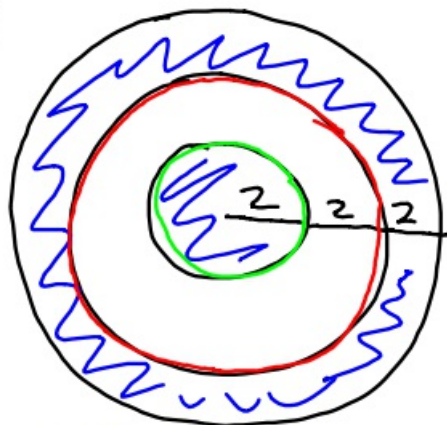
$$\frac{3}{4} \cdot 1000 = \frac{3}{4} \cdot \frac{4}{3} \cdot \pi \cdot r^3$$

$$\frac{750}{\pi} = \frac{\pi \cdot r^3}{\pi}$$

$$\sqrt[3]{230.9} \approx \sqrt[3]{r^3}$$

$$r \approx 6.2$$

⑤



Whole - hole

$$\pi \cdot 6^2 - \pi \cdot 4^2$$

$$36\pi - 16\pi$$

$$20\pi$$

Center

$$\pi \cdot 2^2$$

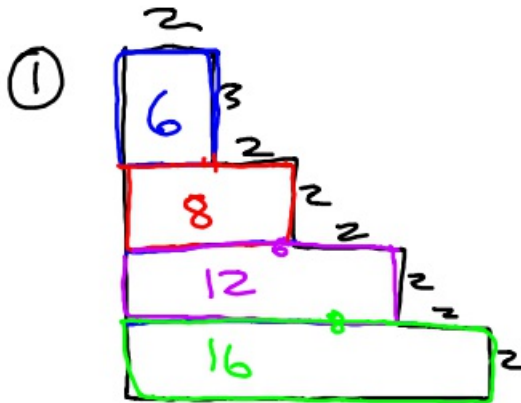
$$4\pi$$

Final Answer: $20\pi + 4\pi$

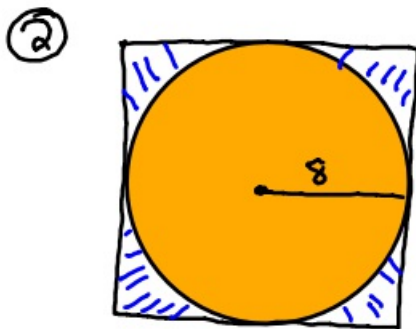
$$24\pi$$

$$\approx 75.4 \text{ cm}^2$$

3-2-18 6th Geo



$$6 + 8 + 12 + 16 = 42 \text{ cm}^2$$



Whole - hole

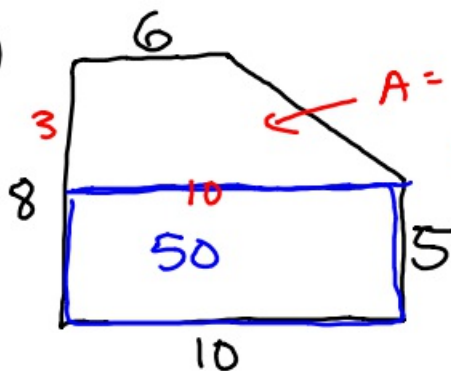
□ - ○

$$16 \cdot 16 - \pi \cdot 8^2$$

$$256 - 64\pi$$

$$\approx 54.9 \text{ cm}^2$$

③



$$A = \frac{1}{2} \cdot h \cdot (b_1 + b_2)$$

$$= \frac{1}{2} \cdot 3 \cdot (10 + 6)$$

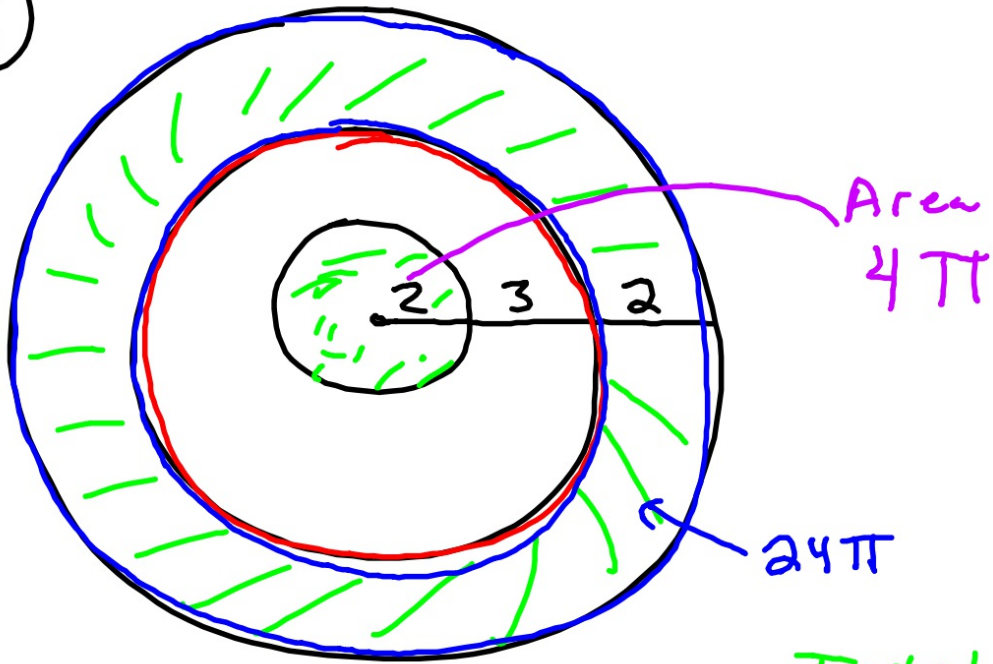
$$= \frac{1}{2} \cdot 3 \cdot 16$$

$$= 24$$

$$50 + 24$$

$$\text{74 cm}^2$$

4



Area
 4π

24π

Whole - hole
 $\pi \cdot 7^2 - \pi \cdot 5^2$
 $49\pi - 25\pi$
 24π

Total is
 28π
 $\approx 88.0 \text{ cm}^2$