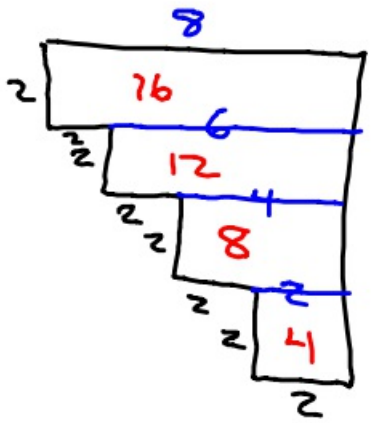
2-13-19 5th Geo

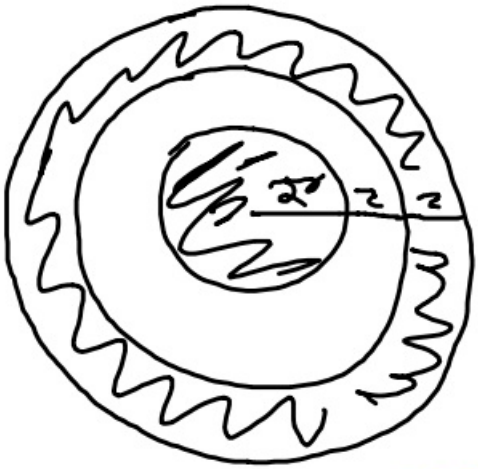
(1)

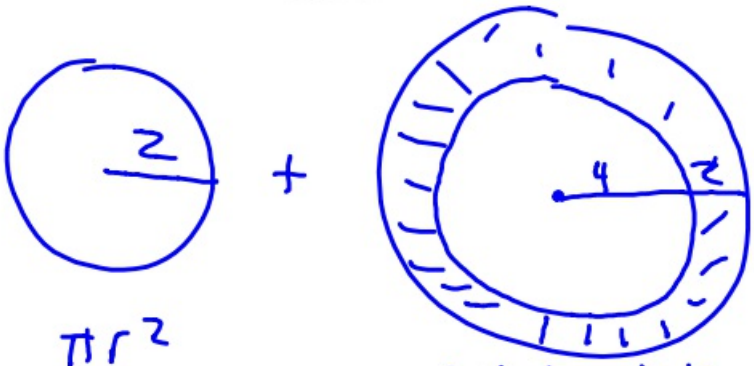


16 + 12 + 8 + 4

40 cm^2

(2)





πr^2

$\pi \cdot 2^2$

4π

whole - hole

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

$36\pi - 16\pi$

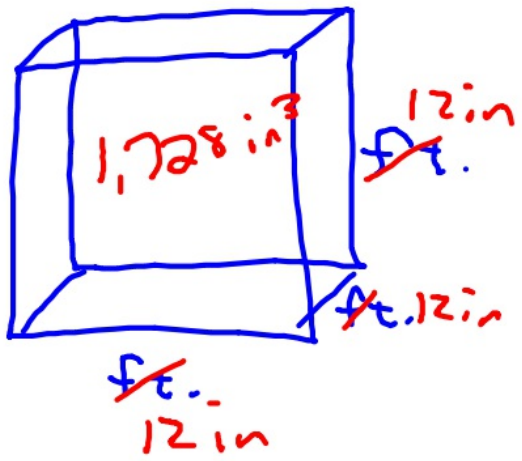
20π

$+$

24π

$\approx 75.4\ cm^2$

(3) How many cubic inches are in a cubic foot?



(4) What is the surface area of a sphere with a diameter of 2 cm?

$S.A. = 4 \cdot \pi r^2$

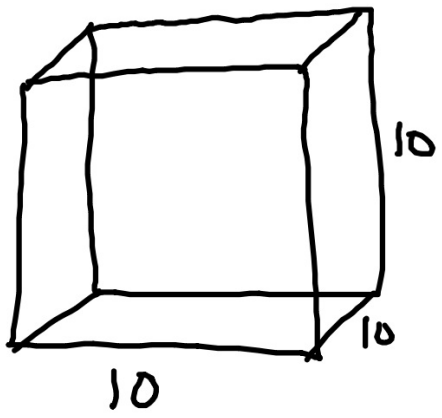
$4 \cdot \pi \cdot 1^2$

4π

$\approx 12.56 \text{ cm}^2$

(5)

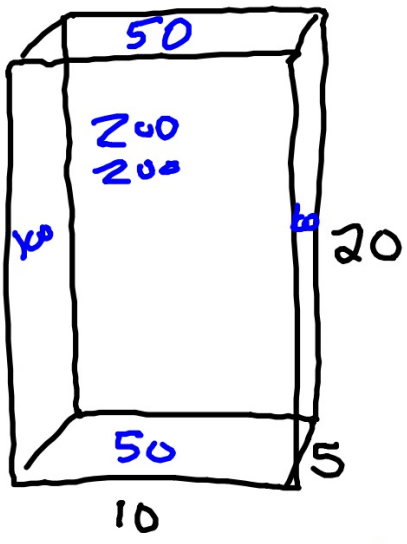
Box A



Volume = 1000 in^3

S.A. = 600 in^2

Box B

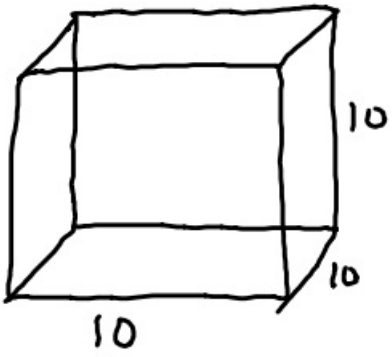


Volume = 1000 in^3

S.A. = 700 in^2

2-13-19 6th Geo

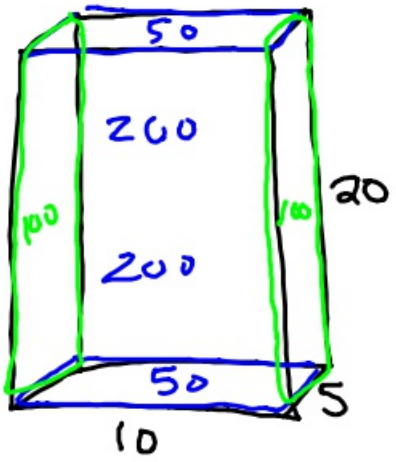
Box A



Volume = 1000 in^3

S.A. = 600 in^2

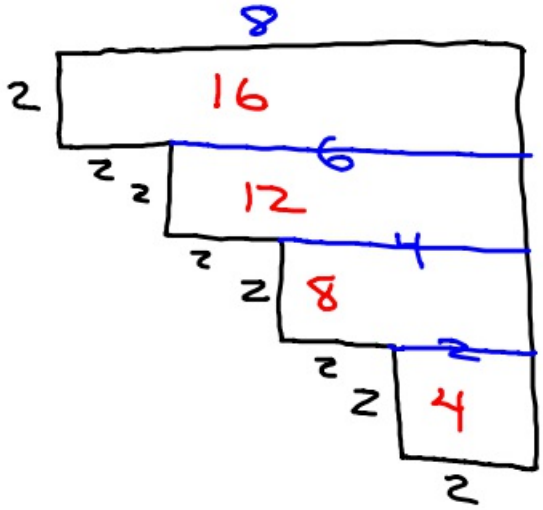
Box B



Volume = 1000 in^3

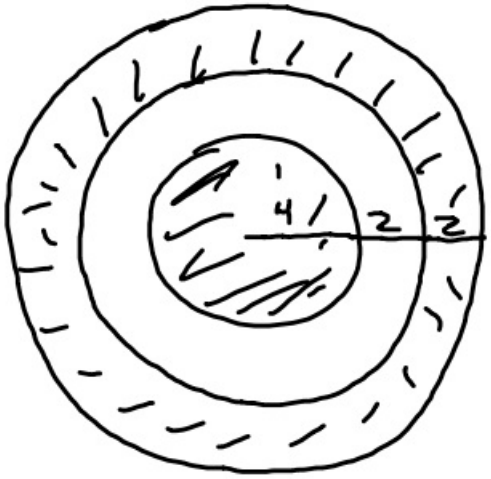
S.A. = 700 in^2

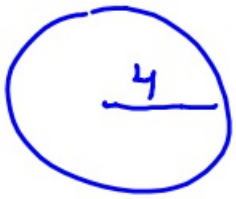
(1)



40 cm^2

②

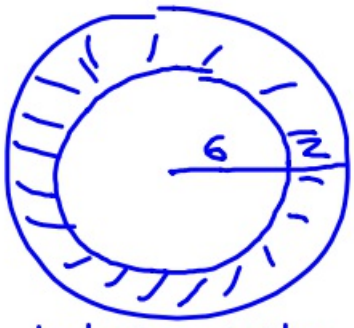




πr^2

$\pi \cdot 4^2$

16π



Whole - hole

$\pi \cdot 8^2 - \pi \cdot 6^2$

$64\pi - 36\pi$

28π

$+$

44π

$\approx 138.2 \text{ cm}^2$

③ What is the surface area of a sphere that has a diameter of 6 cm?

$S.A. = 4\pi r^2$

$4\pi \cdot 3^2$

36π