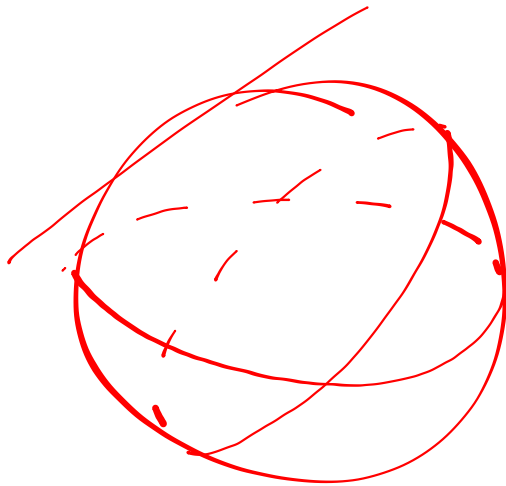


Warm-up 2/10/17

1. What is larger, the volume of the Earth or the surface area?

Pg. 816



Pg. 817-820

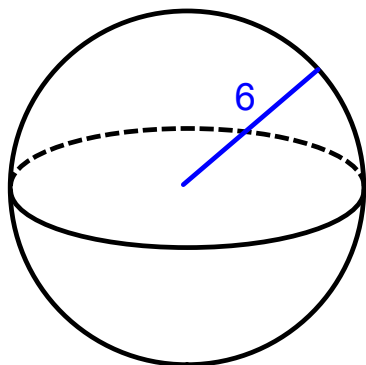
$$Bh - \frac{1}{3}Bh$$

$$(\pi r^2)(r) - \frac{1}{3}(\pi r^2)(r)$$

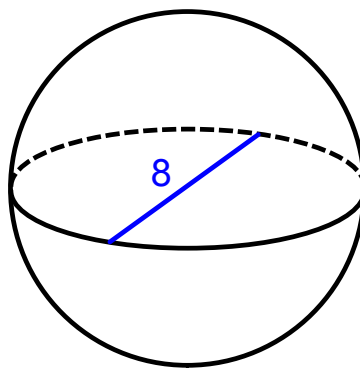
$$2\left(\frac{2}{3}\pi r^3\right)$$

Volume of a Sphere

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



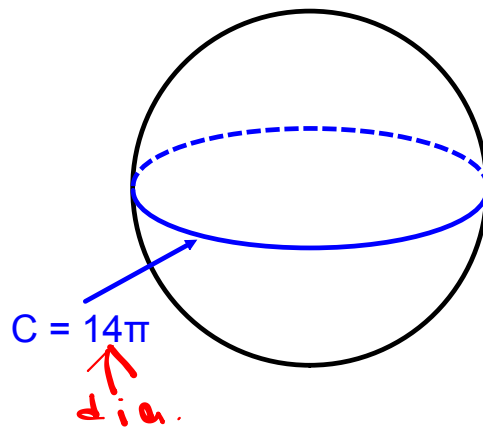
$$V = \frac{4}{3}\pi (6)^3 \approx 904.8$$



$$V = \frac{4}{3}\pi (4)^3 \approx 268.1$$

Volume of a Sphere

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



$$V = \frac{4}{3}\pi (7)^3 = 1436.8$$