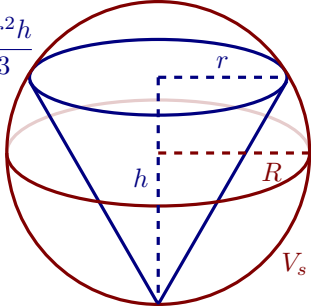


$$V_c = \frac{\pi r^2 h}{3}$$



$$V_s = \frac{4\pi R^3}{3}$$