

■ [6.2]

[18] $\frac{14\pi}{5} \approx 15.08$

[20] $\frac{1}{3} \pi h^2(3r - h)$

[26] $\frac{16}{315} \approx 0.051$

Volume of right circular cone radius a and height $h = \frac{1}{3} \pi r^2 h$

Volume of pyramid whose base is square of side a and whose height is $h = \frac{a^2 h}{3}$

■ [6.3]

[20] $2\pi^2 a^2 b$. Note that the area of a semi-circle radius a is $\int_{-a}^a \sqrt{a^2 - x^2} dx = \frac{1}{2} \pi a^2$