





Hand-drawn graph showing a curve that starts high on the y-axis and levels off as it moves along the x-axis. To the right, the following equations are written:

$$y = \frac{A}{x^2}$$

where x is the radius and y is the height.

$$V = \pi r^2 h$$

$$h = \frac{V}{\pi r^2}$$

$$h = \frac{V/\pi}{r^2} = \frac{A}{r^2}$$