

## Answer on Question #81674 – Math – Algebra

### Question

Solve the formula for the specified variable.

$V = \frac{1}{3}\pi r^2 h$ ;  $h$  (geometry)

### Solution

This formula expresses the volume of a cone:

$$V = \frac{1}{3}\pi r^2 h, \quad \Leftrightarrow \quad h = \frac{3V}{\pi r^2}.$$

**Answer:**  $h = \frac{3V}{\pi r^2}$ .