Volume of Cones and Spheres - Step-by-Step Lesson
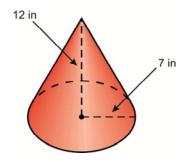
What is the volume of this cone?

Use π ≈ 3.14, and round your answer to the nearest hundredth.

12 in

7 in

Explanation:

Step 1) First we have to see what is being asked.

"What is the volume of this cone?"

Step 2) The formula of volume of cone = $\frac{1}{3}$ πr²h

Step 3) radius and height of the cone.

radius = 7 inches, height = 12 inches, π ≈ 3.14

$\frac{1}{3}$ X 3.14 X 7 X 7 X 12

Volume of cone = 615.75 in