

Incorrect. Find the volume of the hemisphere and then subtract the volume of the cone. Because $d = 30$, $r = 15$. Also, $h = 9$ for the cone. The formula for the volume of a hemisphere is $V = \frac{1}{2} \left(\frac{4}{3} \pi r^3 \right)$ and the formula for the volume of a cone is $\frac{1}{3} \pi r^2 h$. Make sure that you round *after* you subtract.