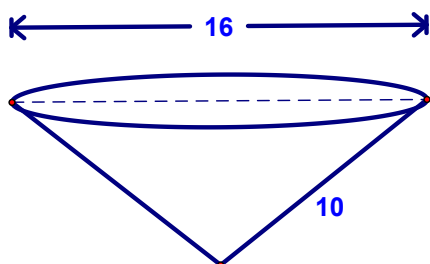




Volume of Spheres - Lesson 12-6

The LAST WARMUP!!

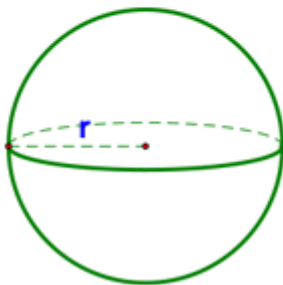


The right cone has a diameter of 16 and a slant height of 10. Find the volume.

Today we will recall the formula for the volume of a sphere (you probably don't remember, but we first talked about it when deriving the formula for the surface area of a sphere):

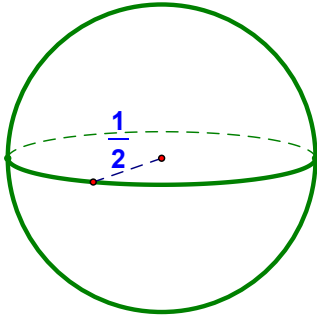
Theorem 117

The volume of a sphere with radius r is given by the formula $\frac{4}{3}\pi r^3$.



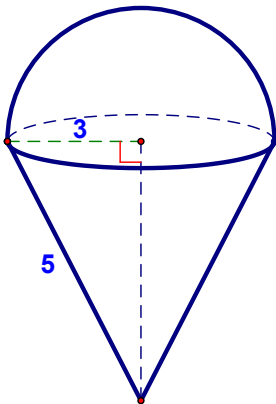
Let's practice this by applying it to a couple of problems (these should all be pretty straight forward for you to solve):

Find the volume.



and...

Find the volume. Measurements are in centimeters.



That's it! Happy Summer!!!