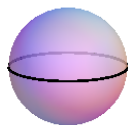


## FINDING VOLUMES WITH CLAIRE AND DILLON - SPHERES



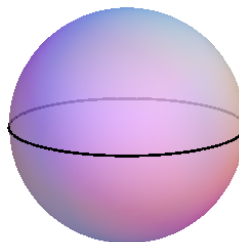
EXPLAIN HOW YOU GET EACH ANSWER!

1)



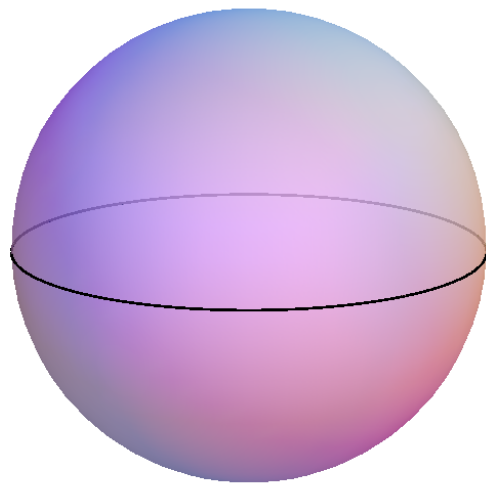
RADIUS = 1 FT

2)



RADIUS = 2 FT

3)



RADIUS = 4 FT

**SUPER-TRICKY! FILL IN THE BLANKS.**

IF THE LENGTHS IN ALL DIMENSIONS ARE INCREASED BY A FACTOR OF 2, THEN ITS VOLUME IS INCREASED BY A FACTOR OF \_\_\_\_\_. IF THE LENGTHS ARE INCREASED BY A FACTOR OF  $X$ , THEN THE VOLUME IS INCREASED BY A FACTOR OF \_\_\_\_\_.