## Accelerated AB Calculus

Name\_



## Opener/Warm-Up

**1.** By hand, make a sketch of a copy of the cylindrical "disk" to the right.



**b.** Find the volume of this solid.



Here is a computer drawn version of that "disk" from a different angle (the z-axis point upward).

3. Write an expression for the volume of the disk on the left.





Suppose the region doesn't produce a familiar shape like a cylinder or a cone or a sphere? We can use this technique of slicing it up into little cylinders that we can calculate!

