

March 3

How do you find the  
"outside radius"  
and the  
"inside radius"?



March 3

Students will verbally explain how to  
find the volume using the disk  
method.

(using the words:  
limit, expand, simplify...)



# Important Dates for Calculus:

Wednesday March 12 - 12:00 - 2:00 (room 115)

Thursday March 27 - MOCK AP EXAM

Wednesday April 9 - 6:00 (Gateway HS)

Calculus Bowl

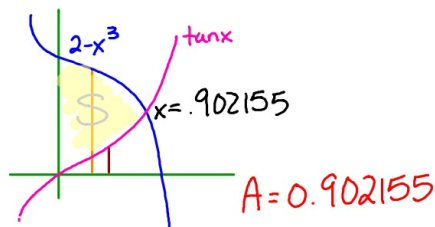
Saturday April 26 - SATURDAY SESSION

8:15 - 12:45 (TJ)

Wednesday May 7th - AP TEST

the region S is bounded by the y-axis and the graphs of  $y = 2 - x^3$  and  $y = \tan(x)$

Find the volume of the solid generated when S is revolved about the x-axis.



$$OR = 2 - x^3 - 0$$

$$IR = \tan x - 0$$

$$V = \pi \int_0^A (2 - x^3)^2 - (\tan x)^2 dx$$

$$= 8.331$$

$$\text{or} \\ 8.332$$