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Question:	1	2	Total
Points:	10	10	20
Score:			

Instructions: You must answer all the questions below and give your solutions to the TA at the end of the recitation. Write your solutions on a different sheet of paper. No late worksheet will be accepted.

Describe the solid that the following integral represents (10 pts)

$$\pi \int_{-1}^{1} (1 - y^2)^2 \, dy.$$

QUESTION 2	(10	pts)
		1 /

Compute the volume of the solid obtained by rotating about the x-axis the region bounded by  $y = 6 - x^2$  and y = 2.