	King Fahd University for Pe	etroleum and Minerals	
Department of Mathematics & Statistics			
Term 152	Math 102 ()	Quiz#2 (55, 6.1, 6.2, and 6.3)	
	Family Name:	S.r#	

Q1.  $\int_{0}^{1} \frac{x}{\sqrt{1+x}} dx$ 

Q2. Use **Cylindrical Shell** method to set up an integration for the volume generated by rotating the region enclosed by  $y = -\sqrt{x}$ , x = 1, y = 0 about y = -1.

	<b>K</b> in Term 152	g Fahd University for Petro Department of Mathematic Math 102 (8) Family Name:	
Q1. $\int x(2x-1)^9 dx$			

Q2. Set up an integral for the volume of the described solid;

The base is bounded by  $y = e^x$ , y = 1, and x = 1. Cross sections perpendicular to the x-axis are semicircles.