King Fahd University for Petroleum and Minerals Department of Mathematics & Statistics

Term 153

Math 102 (9) Quiz#3 (6.3, 6.5, 7.1 and 7.2)

•	Family Name:	S.r#
Q1. $\int (\tanh x \operatorname{sech} x)^3 dx$		
		Final Ans.
	'	

Q2. **Set up an integral** for the volume obtained by rotating the region enclosed by $x = y^2 - y^3$ and the *y-axis* about y = 1.

Final Ans.

King Fahd University for Petroleum and Minerals

Department of Mathematics & Statistics

Term 153

Math 102 (7) Quiz#3 (6.3, 6.5, 7.1 and 7.2)

Family Name:

S.r#

Q1.	$\int_{}^{\pi} $	$\sin x - \sin^3$	$\frac{1}{x} dx$
	$\pi/2$		

Final Ans.

Q2. $\int \frac{x}{2^x} dx$

Final Ans.