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

Term 152

Math 102 (6)

Quiz#5 (7.8, 8.1 and 8,2)

Family Name:

S.r#

Q1. Find the length of the curve	$y = 3 + \frac{1}{4}x^2 - \frac{1}{2}\ln $	$x , -2 \le x \le -1$
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King Fahd University for Petroleum and Minerals Department of Mathematics & Statistics

Term 1	Term 152 Math 102 (28)		Quiz#5 (7.8, 8.1 and 8,2)		
	Family N	Name:	<u>, </u>	S.r#	
			1 , 1.		
11. Find the area of the surface	obtained by	y rotating the curve y	$= -\frac{1}{4}x^2 - \frac{1}{2}\ln x$, $1 \le x \le 2$ about the	y – axis