KFUPM – Department of Mathematics and Statistics – Term 151 **MATH 102**

QUIZ # 2 Code 1 (Duration = 20 minutes)

NAME:	ID:	Section:
Exercise 1 (5 points)		
Find the volume of the solid obtained by	rotating the region encl	losed by the curves $y = \sqrt{x+1}$
y = x, $x = 0$ and $x = 1$ about the $x - ax$	ris.	

Exercise 2 (5 points)

Find the area of the surface of the solid obtained by rotating the curves $y = \frac{1}{2}x^2 - 4.0 \le x \le 1$ about the y - axis

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NAME:	ID:	Section:	
Exercise 1 (5 points)			

Find the volume of the solid obtained by rotating the region enclosed by the curves $y = \sqrt{x+1}$, y = x, x = 0 and x = 1 about the y - axis.

Exercise 2 (5 points)

Find the area of the surface of the solid obtained by rotating the curves $y = \frac{1}{2}x^2 + 4,0 \le x \le 1$ about the y - axis.