KFUPM – Department of Mathematics and Statistics – Term 111 **MATH 102**

QUIZ # 2 Code 1 (Duration = 20 minutes)

NAME:	ID:	Section:
Exercise 1 (5 points)		
	ained by rotating the region enclosed by the	the curves $y = x^3$, $x = 1$ and
y = 0 about the line $y = 2$		·

Exercise 2 (5 points)

Evaluate the integral $\int \frac{1 - \ln^4(x)}{x} dx$ (show all your steps)

KFUPM – Department of Mathematics and Statistics – Term 111 MATH 102 QUIZ # 2 Code 2 (Duration = 20 minutes)

NAME:______ID:______Section:_____

Exercise 1 (5 points)
Find the volume of the solid obtained by rotating the region enclosed by the curves $y = x^3$, $x = 1$ and
y = 0 about the line $y = -1$
Evonoico 2 (5 m.in.)
Exercise 2 (5 points) Final rate of the interval $\int x \tan(x^2) dx$ (channell reconstants)
Evaluate the integral $\int x \tan(x^2) dx$ (show all your steps)