King Fahd University of Petroleum and Minerals

Department of Mathematics and Statistics S		Spring Semester (Term 162)
Quiz 2	MATH 132	Dr. Taleb Alkurdi
Name	ID	Serial Number
for the final answer and the res	your work in order to get the full t will be for the details of the wo	ork.
SHORT ANSWER. Write the word or p	hrase that best completes each statement	t or answers the question.
•	ich the function is increasing and on whice lative maxima and relative minima.	ch it is decreasing. 1)
2) Find the absolute extrema for	$y = \frac{x^2}{e^x}$ on the interval [0, 3] and where the	ey occur. 2)
3) Find the intervals where the graph of $y = f(x)$ is concave up and where it is concave down.		is concave down. 3)
Do not sketch its graph. Also c	determine its points of inflection. $f(x) = \frac{x}{e}$	<u></u>