King Fahd University for Petroleum and Minerals				
Department of Mathematics & Statistics				
Term 171	Math 101 (25)	Quiz#5 (3.10, 3.11, 4.1, 4.2, and 4.3)		
-	Family Name:	S.r#		
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Q1. Find the absolute extreme values of  $f(x) = xe^{(-x^2)}$  on [-1,0].

Q2. Use the given graph of f(x) to find the interval(s) on which f'(x) is increasing.



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Term 171	Math 101 (47)	Quiz#5 (3.10, 3.11, 4.1, 4.2, and 4.3)	
	Family Name:	S.r#	

Q1. Find the Local Extreme values of  $f = (x+1)(x-1)^{2/3}$ .

Q2. The diameter of a circle is given as 2 cm with a relative error in measurement of 0.1. Use differentials to estimate the relative error in the calculated area.