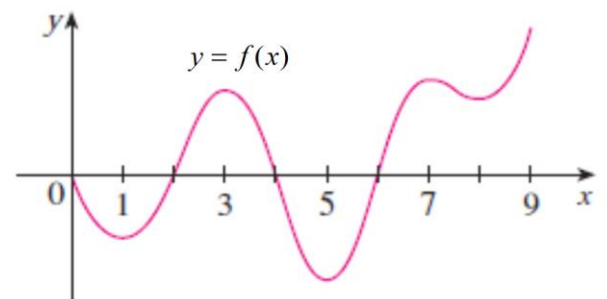


Q1. Find the absolute extreme values of $f(x) = xe^{(-x^2)}$ on $[-1, 0]$.



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



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.

