King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 101   Quiz 7

Name : .... **ID #**..................................... Serial #: ....

Question: For the function $f(x) = xe^x$, find

1. its horizontal asymptote(s),

2. its intervals of decreasing, increasing, concave up, and concave down,

3. its extrema and graph the function.