gums > 0 An ER, is it Q: Suppose a for g: R - R salisfor necessarily bounded below? -> g'(4) = - e-n An: No, this is a continement g"(n) = e-n f(n) is Condinus et n=0. 1'(N) in Continues et 11=0. f"(n) is Contains at n = 0. 3'(m) = -1 /"(m) = 1 (4n) = $f(n) = \begin{cases} e^{-M} - 1 & m \leq 0 \\ -ln(1+m) & m > 0 \end{cases}$ (n) = en(1+n) fr n > 0