$g(x) = x^{2} \ln(x)$ $2x \ln(x) + x^{2}$ $2x \ln(x) + x = 0$ X=0 works 2(0)In(0)+Q=0 $\frac{2x\ln(x) - x}{2x}$ $\ln(x) = \frac{1}{2x} = \frac{1}{2}$