

Problem statement Suppose $f(x) = e^{-1/x}$. Graph this function in the window $-5 \leq x \leq 5$ and $0 \leq y \leq 10$. Find the line tangent to $y = f(x)$ when $x = 2$ and include it in your graph. Also find any horizontal or vertical asymptotes and include them in your graph. Give explanations of the asymptotic behavior. Does the graph have any inflection points?