
Q1. Find the equation of the tangent line(s) to $f = \sqrt[3]{x}$ that passes through $(-16, 0)$.

Q2. If $f(x) = \begin{cases} \frac{x}{e^x} & x < 0 \\ x+1 & 0 < x < 1 \\ \cos x + \sec x + x & x \geq 1 \end{cases}$, find $f'(1)$ and $f'(0)$ if they exist and explain if they are not.
