1.) (5 pts.) When we describe the bisection method, which is used to find roots, which theorem do we rely on?

**IVT (Intermediate Value Theorem)**

2.) (5 pts.) In the statement "If \( f(x) \) is differentiable, then \( f(x) \) is continuous", which part is the hypothesis? Which part is the conclusion?

\[ \begin{align*}
H & : "f(x) \text{ is differentiable}" \\
C & : "f(x) \text{ is continuous}" 
\end{align*} \]