MATA31 TUT000

Quiz4 on (A7 & A 8) **Mark:**_____/25

Last Name:_____ **First Name:**_____ **Student #:**_____

1. [3 points]

Use the definition of derivative to evaluate the derivative of $f(x)=\begin{cases}\sqrt{x-1}, & x>1\\ x, & x\le 1\end{cases}$

2. [3 points]

Find the equation of tangent line to the graph of $f(x)=\dfrac{1}{x}$ at point $x=1$.

(Suggestions: any implicit function, vertical tangent, horizontal tangent, etc..)