$\begin{array}{c} {\rm Math~5110-Real~Analysis~I-~Fall~2024} \\ {\rm ~w/Professor~Liu} \end{array}$

 $\begin{array}{c} {\rm Paul~Carmody} \\ {\rm Homework}~\#1-{\rm September}~9,\,2024 \end{array}$

$$\label{eq:Laplaces Equation: } \begin{split} \text{Laplaces Equation: } -\Delta_x u = 0 \\ \text{Poisson's Equaiton } -\Delta_x u = f \end{split}$$