MATH 401 - Additional Questions for Homework on Section 2.2.
A. Let $x \in \mathbb{R}$. Prove that if $|x+2|<1$, then $|x+4|<3$.
B. Let $x \in \mathbb{R}$. Prove that if $|x-6|<2$, then $\frac{1}{x+3}<\frac{1}{7}$.
C. Let $x, y \in \mathbb{R}$. Prove that if $|x+3|<2$ and $|x-y|=5$, then $3<|y+3|<7$.

