

- 10.** We need $1 - 0.05 \leq 1/(x + 1) \leq 1 + 0.05$, or $1.0526 \geq x + 1 \geq 0.9524$. This will occur if $-0.0476 \leq x \leq 0.0526$. In this case we can take $\delta = 0.0476$.