Let

\[ T_n(x) = \sum_{i=0}^{n} \frac{x^i}{i!} \]

be the \( n \)th partial sum of the Maclaurin Series for \( e^x \).

1. Write out the polynomials \( T_0(x), T_1(x), T_2(x), T_3(x) \).

2. Find \( T_0(1), T_1(1), T_2(1), T_3(1) \) as decimals (you can use your phone as a calculator).

3. Does it look like \( \lim_{n \to \infty} T_n(1) = e \)?