

Submit your Jupyter notebook with the answers to gradescope by 10:50am.

Suppose we want to approximate a root of $p = x^3 - x - 1$.

1. What are the conditions for the secant method to apply to this problem?
What could go wrong?
2. Starting at 1.3, how many steps of the secant method are needed to obtain eight correct decimal places of a root of p ? Justify your answer.