1. **Using the quadratic formula, compute the roots of f(x) = 4x^2 – 3x – 3. Show your work.**

**A screenshot of a cell phone

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1. **Implement bisection for root finding. A screenshot of a cell phone

   Description automatically generated**
2. **Transform the function f into an appropriate function g for a fixed point problem. Show your work.**

A screenshot of a cell phone

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1. **Implement the fixed-point method. Make sure you use good stopping criteria.**

**A screenshot of a social media post

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1. **Using your implementations, plot the error of each method for the first 10 or so iterations.**

**A picture containing bird

Description automatically generated**