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Assignment # 7

Problem # A: Use Newton's Method to find all the roots of $2 - x^2 = \sin(x)$ accurate to 6 decimal places. [5 marks]

Problem # B: Answer the following:

1. What is the algorithm for Secant Method?
2. Find a root of an equation $f(x) = x^3 - x - 1$ using Secant Method. [3 marks]

Submission of Assignment # 7: Follow the following to submit your solution to assignment # 7.

- Solve all the problems above.
- Prepare a title page including Your Name, Your ID#, Theory Section #.
- Prepare a single .pdf or .jpg file containing the title page and the solution pages.
- To submit your assignment solution, visit the [Submission Link \(Click here\)](#). This will take you to a Google Form link.
- Fill up the Google Form link with correct information and upload the file there. You are done.



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