NATIONAL UNIVERSITY
OF COMPUTER & EMERGING SCIENCES
PESHAWAR CAMPUS

Problem Set:	Assignment 03	**Semester**:	Fall 2021
Points:	10		
Date Set:	Nov, 2021	**Due Date**:	See slate.
Course:	CS325 Numerical Computing	**Instructor**:	Nauman

1 Tasks

1. Consider the following function:

$$f(x) = x^2 - 81$$

Calculate the root of the above function (by hand) that lies between 5 and 50. Your answer should be accurate up to three decimal places.

Construct your answer in the form of a table. The ith row should show the values for a_n, p_n and b_n in the ith iteration.

2 Submission

1. Submit your assignment fo Slate. Assignments submitted through another medium cannot be accepted.

2. **Important:** Make sure you submit a PDF file. No other format will be accepted!