

Math 128-Homework Set 6, Fall 2026, Due: Fri, Dec 11

Do problems **1,4,5,12** at the end of Chp 5 of Berggren (pages 185-187).

Write up your solutions neatly, and show your steps clearly.

Pay attention to the following clarifications or modifications on certain problems.

- In Problem 5, assume that at such small angles the chord length = arc length.
- Note that for Problem 4 you will need more of the chord table than what is given in the book (on page 129). The hand-out distributed in class gives the rest of the chord table. It is available in Google drive as a pdf document. Obtain your answers as accurately as possible using the sixtieths column.
- In Problem 12, GH is perpendicular to AD and show how to obtain the AB, the height of the mountain from the known quantities. Obtaining the expression for AB in the book is bonus.

At the end of your hmw, please write me a short message, anything from a few words to a paragraph.

Homework Rules

- You can get help from a) your professor, b) the tutor for this course, and c) your classmates provided you follow the [Math Department's Guidelines](#) on Healthy Collaboration
- Any use of AI is strictly prohibited on homework assignments