

Homework 1 Chapters 3 and 4

Due September 15

Math 125 Kovitz Fall 2025

1. Problem 1 on page 50.

First decide—based on the histogram pictured—whether the heights were rounded or truncated.

Then state whether your inequality will be for class marks or for endpoints (either choice is fine; just pick one).

Finally, fill in the blanks with two heights, based on your choice of class marks or endpoints.

2. Problems 4c and 4d on pages 51 and 52. Careful: they continue on page 52.
3. Problem 5 on page 52.
4. Problem 8 on pages 52 and 53. *(Be careful; sometimes something is not what it appears to be at first glance.)*
5.
 - (a) Find the average and SD of the list 22, 26, 31, 32, 38, 43.
 - (b) Which numbers on the list are within 0.5 SDs of average? within 1.5 SDs of average?
 - (c) Find the median of the list.