

MATH10282: INTRODUCTION TO STATISTICS
SEMESTER 2
QUIZ PROBLEM 1
(Deadline: Friday 18 February 2022, 11:00am)

Suppose you have the following data: x_1, x_2, \dots, x_n . Let \bar{x} denote the sample mean. Then

$$\sum_{i=1}^n (x_i - \bar{x})$$

is equal to

- a) \bar{x} .
- b) $-n\bar{x}$.
- c) 0.
- d) $n\bar{x}$.

This problem is worth 1 mark. Marking scheme: 1 mark if the answer is correct, 0 mark if the answer is incorrect.

Please use Blackboard to enter your answer.