MATH372 SECTION 6.1 HOMEWORK
DUE FRIDAY, MARCH 27

Read section 6.1 of the textbook, about point estimation. Answer the following short questions
in your own words.

(1) Define a *point estimator* and explain how they are used.
(2) What is a *biased* point estimator? Are there circumstances where it is better to use a biased
point estimator instead of an unbiased point estimator?
(3) What is the the *MVUE* of a statistic? Why should you generally prefer to use the MVUE?
(4) What is the *standard error* of a point estimator?

Do Exercise 3 from section 6.1 of the textbook (page 261):