MATB24. Quiz #6, TUT #10

(1) (4 point) In each part, give a <u>complete</u> definition, or mathematical characterization of the word in bold.

  (a) A **hermitian matrix**

(2) (5 point) Give an example of the described object or explain why such an example does not exist.

A system of linear equations that has no least square solutions

(3) (6 point) Answer the following question:

Find the complex fourth roots of -1.