HW6

- pp. 84-87 in the textbook: problems 5(a),14,17.
 Let T be the operator of differentiation in the space P₄₅(R) of polynomials of degree at most 45. Find the matrix of T²³ in the standard basis which is {1, x, ..., x⁴⁵}.
 pp. 107-110 in the textbook: problems 2(a,d,f).

Remark. Each problems is worth 1 point, the problems with the star are worth 2 points. You can use any statement proved in class without reproving it.