

HW10

1. Reading assignment: pp. 261-277.
2. pp. 256-261 in the textbook: problems 5(d), 20, 21.
3. Suppose A_1 and A_2 are two matrices similar to each other. Prove that $\text{trace } A_1 = \text{trace } A_2$.
4. pp. 277-282 in the textbook: problems 1(except (h) and (i)), 2(b), 7.

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