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# CSC 284/484 Advanced Algorithms - homework 3

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- EXAM 2 (Thursday, March 3rd) will contain some problems listed below (plus some problems for the geometric algorithms part).
- Do solve the problems but do NOT turn your solutions in (we will use a problem session (held every Tuesday 5pm-6pm) as a feedback mechanism).
- IMPORTANT: print this sheet, write your name on it, mark the problems you solved, and hand me the sheet before EXAM 2.

**Background material (most of this material is covered in CSC 282; it is needed for some topics covered in CSC 484):**

CLRS exercises: 22.1-1, 22.1-3, 22.1-4, 22.1-5, 22.1-6, 22.2-4, 22.2-6, 22.2-8,

22.4-1, 22.4-3, 22.4-4, 22.4-5.

**Main Topic (graph algorithms):**

CLRS exercises: 26.1-1, 26.1-2, 26.1-3, 26.1-4, 26.1-6, 26.1-7, 26.2-10, 26.2-11, 26.2-12, 26.2-13.

CLRS problems: 26-1, 26-2, 26-3, 26-4, 26-5.

Kleinberg-Tardos exercises (Chap 7): 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,

22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39.