

**Graph Theory and Combinatorics MATH-42021/52021.**

**Home Work 2, due on Wednesday, SEPTEMBER 11**

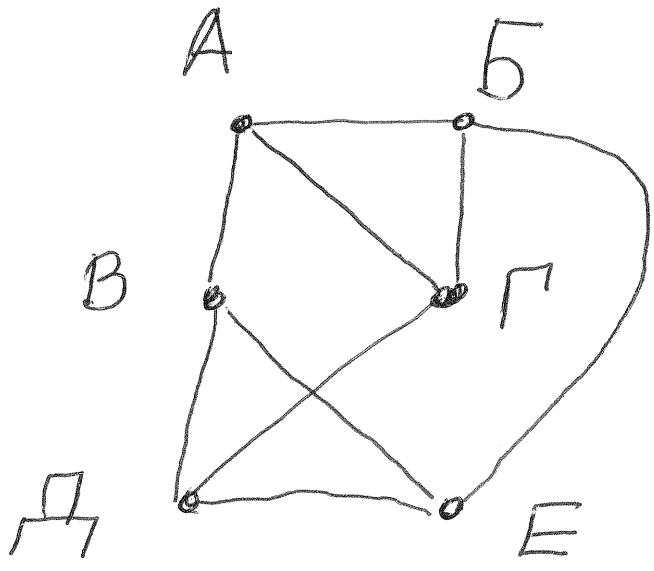
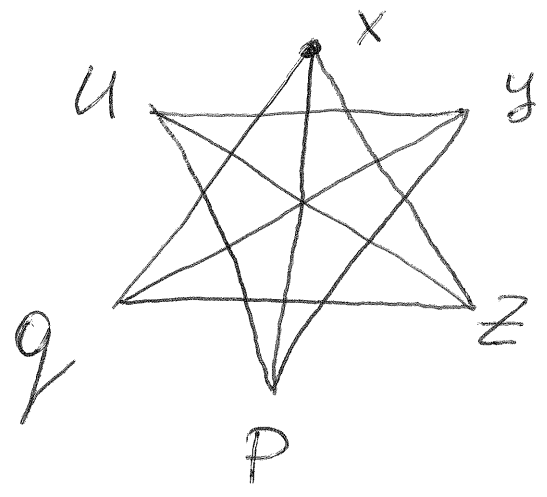
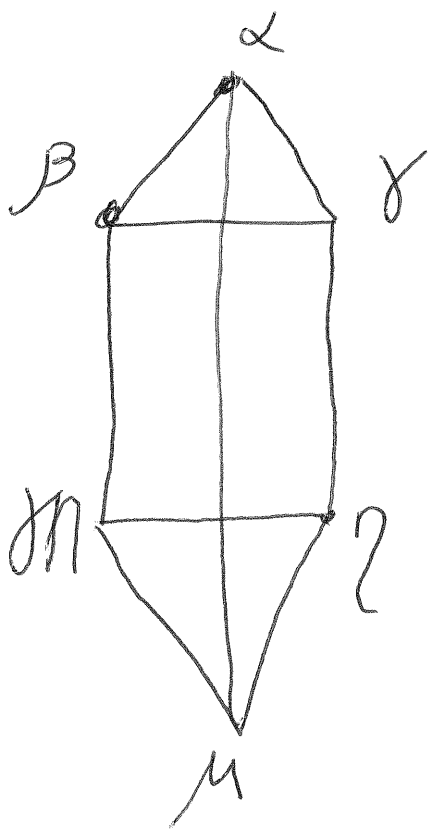
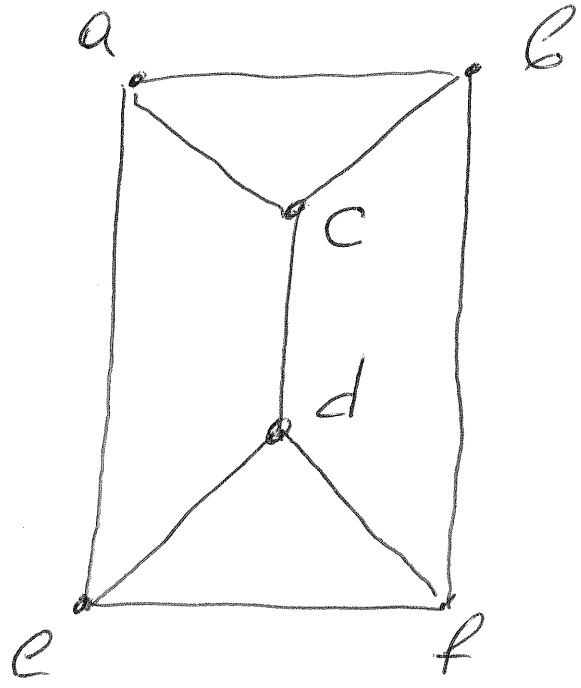
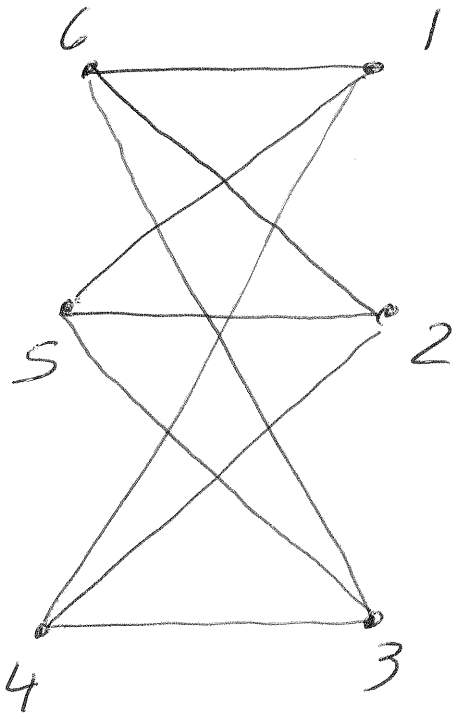
**Instructor: Prof. Artem Zvavitch**

**Problem 1.** *Give an example of two non-isomorphic, connected graph with 6 vertices and 9 edges each.*

PLEASE, SEE NEXT TWO PAGES FOR PROBLEMS 2 and 3

Which pairs of graphs in this set are isomorphic?

Problem 2



Isomorphic OR NOT ? PROBLEM 3

