

REVIEW #1A

Problem 1. Find a simple graph with degree sequence

$$(1, 1, 1, 1, 2, 2, 2).$$

Is it possible for a graph with this degree sequence to be a tree?

Problem 2. Find two simple graphs with degree sequence

$$(1, 1, 2, 2, 2),$$

where one is a tree and the other is not.

Problem 3. Find a graph G on 6 vertices that is a tree and so that G is isomorphic to a subgraph of the complement \overline{G} .