

Steven Murr

HW 10.3

Problems = { 34 - 40 all, 54, 55 }

34) In Exercises 34 -44 determine whether the given pair of graphs is isomorphic. exhibit an isomorphism or provide a rigorous argument that none exists.

**See attached paper.

54) How many non-isomorphic simple graphs are there with n vertices, when n is:

a) 2?

1

b) 3?

2

c) 4?

4

55) How many nonisomorphic simple graphs are there with six vertices and four edges?

34