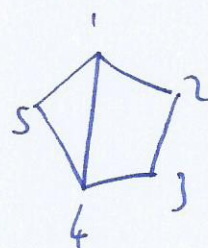ECON 446
FALL 2013

MIDTERM I

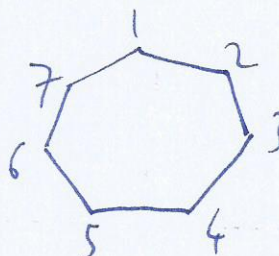3 Questions

Question 1

(10 points) Consider the following graph.

How many paths of length 4 are there between nodes 1 and 3?

Question 2

(10 points) Consider the connections model. For which set of parameters $1 > \delta > 0$ and $c \geq 0$ is the following graph pairwise-stable.

Question 3

(10 points) Consider the co-author model. Suppose there are 14 players.

- What is the efficient network?
- What are the pairwise-stable networks?