

## CS 5110/6110 Homework 1 (5 points)

*This assignment can be done in groups of one, two or three.*

1. For a problem in your family, church organization, or community, choose a problem with which you are familiar and frame it as a problem of multi-agent choice. Specify who the decision-makers are, enumerate three or four possible choices available to the decision-makers, state the goals of the decision-makers. Identify why a multi-agent system is preferable to a centralized solution.

2. For a problem in an area of interest, frame it as a problem given to an agent. Specify two distinct parameters which could be used to assign utility. Using a graph patterned after the one below, show various indifference curves.

