1.

Output:

A graph with red and blue circles and green lines

Description automatically generated

Link: https://github.com/rattytoaster/michael\_englert\_unmanned\_systems/blob/master/week\_4/hw3\_problem1\_englert.py

2.

A graph paper with a grid

Description automatically generated

3.

Output:

A diagram of a diagram

Description automatically generated with medium confidence

Link: https://github.com/rattytoaster/michael\_englert\_unmanned\_systems/blob/master/week\_4/hw3\_problem3\_englert.py