Math 181: Worksheet 1
Intro to Graph Theory

1. Which of the following graphs are simple? directed? weighted?

(a) 
(b) 
(c) 

2. Draw a (simple) graph with 5 vertices, 4 edges, and 2 components.

3. Consider the graph below. Decide if each of the following is a path, circuit, or neither.

- A-B-C
- A-B-E-D
- A-E-B-D
- A-C-B-A
- A-D-E-A