Identifying Network Information

Name:

Answer the questions about the network in Figure 1.
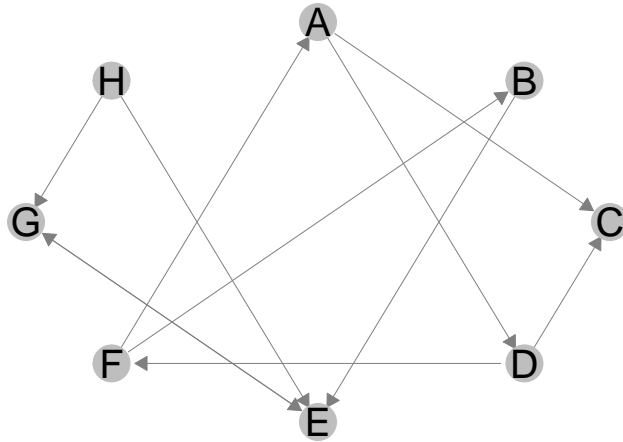

Figure 1: Network

1. The basics:

   (a) How many nodes are there?

   (b) How many edges are there?

   (c) Are the edges directed or undirected?

2. Connecting vertices:

   (a) How many edges are incident to C?

   (b) What nodes are adjacent to B?

   (c) Write out all the walks from A to F

   (d) What is the geodesic walk from A to F? How long is it?

3. Convert the network plot to an adjacency matrix:

	A	B	C	D	E	F	G	H
A								
B								
C								
D								
E								
F								
G								
H								