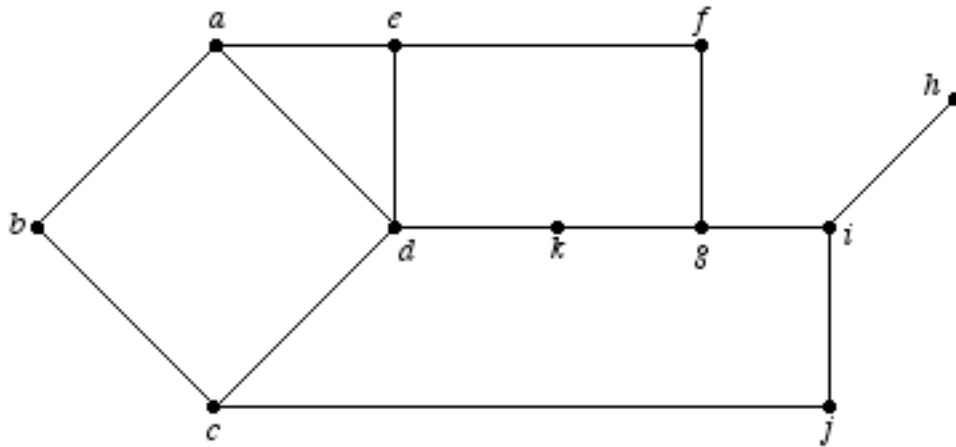


1. You are given the following graph (assume all edges have weight 1). THIS GRAPH IS NOT THE SAME AS THE ONE ON WORKSHEET B:



- Use any method to construct the distance matrix, $D(G)$.
- Find the status of all vertices.
- Find the median of the graph.
- At which site (vertex) should a service facility be located?
- Find the eccentricity of each vertex.
- Find the center of the graph.
- At which site (vertex) should an emergency facility be located?