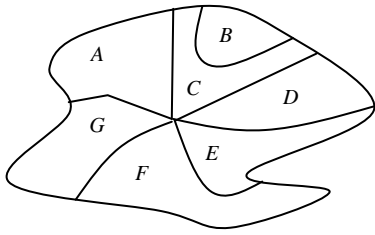
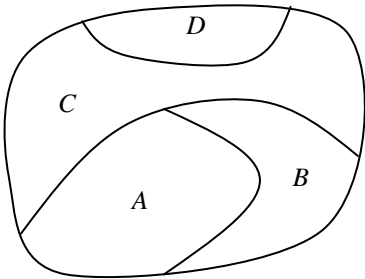


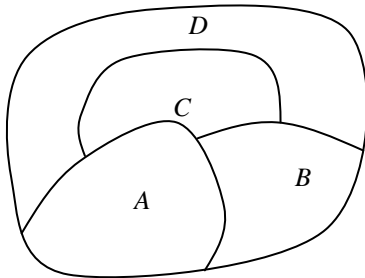
1. Create a Graph of each MAP such that NO 2 EDGES intersect.



Chromatic Number: 2



Chromatic Number: 3



Chromatic Number: 4

3. Create example of the Following Graphs in a planar configuration if possible:

Complete Graphs:

K_4

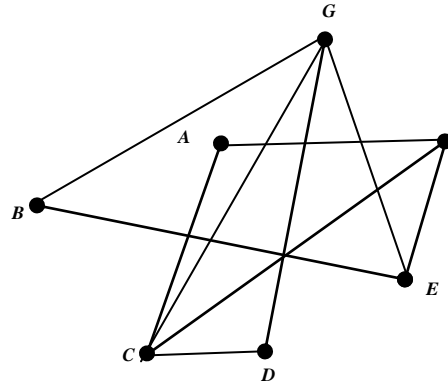
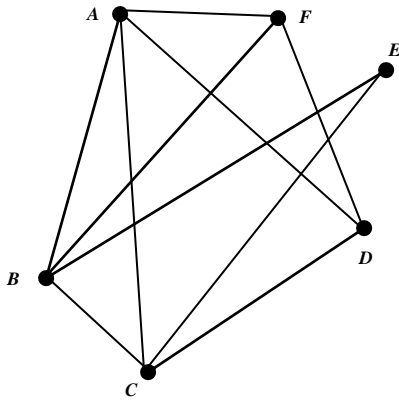
K_5

Complete Bipartite Graphs:

** $K_{3,3}$

$K_{5,2}$

4. The following GRAPHS are PLANAR Redraw them so that none of the edges intersect (Remember adjacent vertices must remain adjacent in the new graph).



7. This Graph is not planar because it contains a K_5 . Highlight the K_5 in the following graph.

