## **GRAPH THEORY: CLASS 18**

1) Show that the graph G below is 1-factorable and find a 1-factor set that partic $E(G)$ .	ion
2) Show that the graph G below is 2-factorable and find a 2-factor set that partic $E(G)$ .	ion
3) Show that a 7-regular graph is nonplanar.	
4) Use Kuratowski's theorem to show that $K_4 \times K_2$ is nonplanar.	

 $Date \hbox{: June 25, 2008.}$