Name ..... row .... col....

1. Graph G_1 has an Euler tour	....
2. Graph G_1 has a Hamilton cycle	
3. $\kappa(G_1) =$	
4. $\kappa'(G_1) =$	
5. $\chi'(G_1) =$	
6. $\chi(G_1) =$	
7. If $\kappa(G) \geq \frac{\|G\|}{2}$ then G is hamiltonian	
8. If $\chi(G) \geq \frac{\|G\|}{2}$ then G is hamiltonian	
9. If $G \simeq \overline{G}$ then $\chi(G) \geq \sqrt{n}$	
10. For every $n \geq 3$ there exists a graph G on n vertices with n edges such that $\chi'(G) = \Delta(G) + 1$	

11. Prove or disprove: For any graph G ($|G| \geq 3$) if $\kappa'(G)$ is odd then G is not eulerian.

12. Prove: If G is a connected graph with n vertices ($n \geq 3$), $n-1$ vertices of degree k and one vertex of degree $k-1$ then $\chi'(G) = k+1$.