## MATH 212 HOMEWORK 7

YOUR NAME GOES HERE

Due May 1, 2019

List of collaborators:	
<b>Theorem S.</b> Let $G$ be a graph with at least two vertices. Then two of its vertices have the san degree.	ne
Proof.	
<b>Theorem T.</b> The average degree of the vertices of a tree is less than 2.	
Proof.	
<ul> <li>Definition. The star graph on n vertices has one vertex adjacent to all other vertices (and nother adjacencies).</li> <li>For the following, fill in the blank and prove your theorem.</li> <li>Theorem U. The star graph on n vertices has edges.</li> </ul>	no
Proof.	