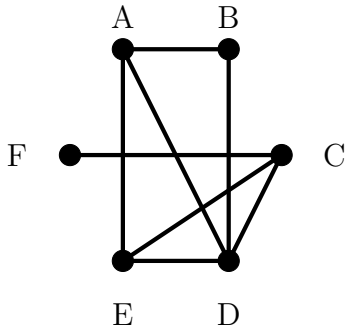
Math 111 Contemporary Mathematics **Name:** _____
Fall 2015 **Graph Theory Day 8**
Lecturer: Dr. Paullin

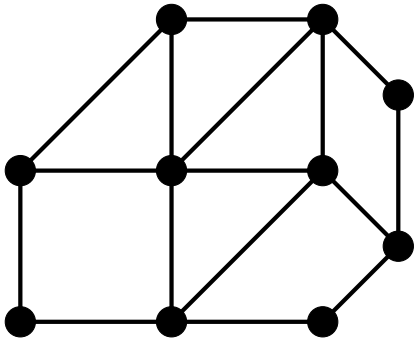
Eulerize

(1) Consider the graph:



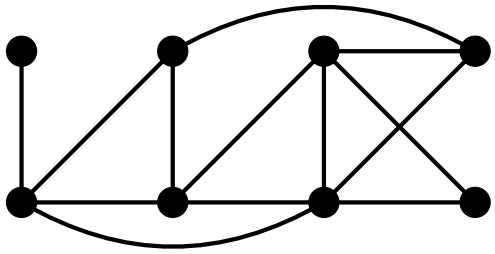
Find the degrees of the vertices of the graph above! How many legal edges do we need to Eulerize the graph?

(2) Consider the graph:



Find the degrees of the vertices of the graph above! How many legal edges do we need to Eulerize the graph?

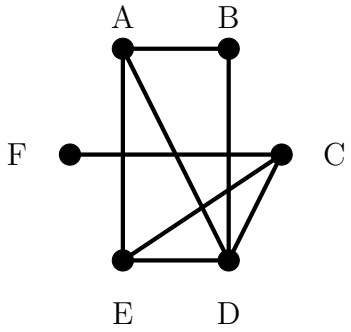
(3) Consider the graph:



Find the degrees of the vertices of the graph above! How many legal edges do we need to Eulerize the graph?

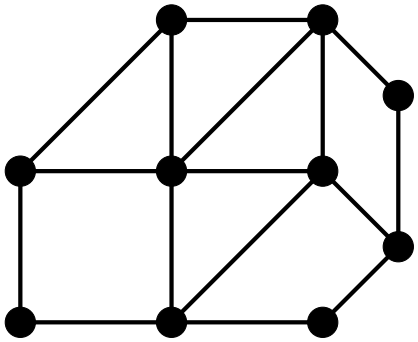
Semi-Eulerize

(4) Consider the graph:



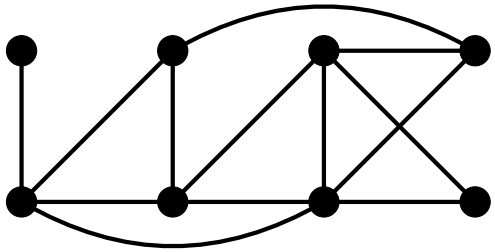
Find the degrees of the vertices of the graph above! How many legal edges do we need to Eulerize the graph?

(5) Consider the graph:



Find the degrees of the vertices of the graph above! How many legal edges do we need to Semi-Eulerize the graph?

(6) Consider the graph:



Find the degrees of the vertices of the graph above! How many legal edges do we need to Semi-Eulerize the graph?