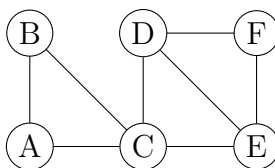
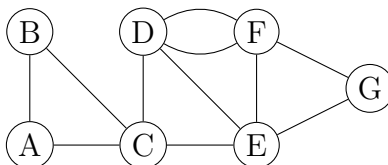


Group Names: _____

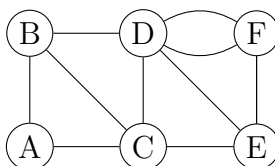
- | | | |
|------|---------|---------|
| path | circuit | neither |
|------|---------|---------|



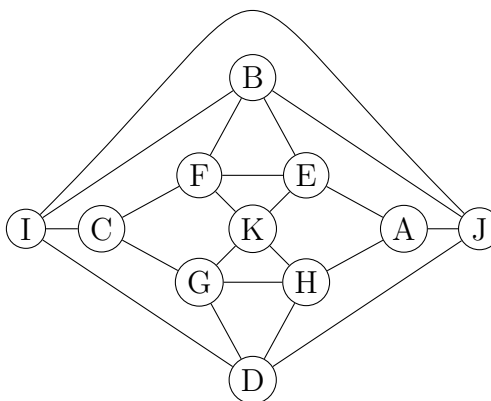
- | | | |
|------|---------|---------|
| path | circuit | neither |
|------|---------|---------|



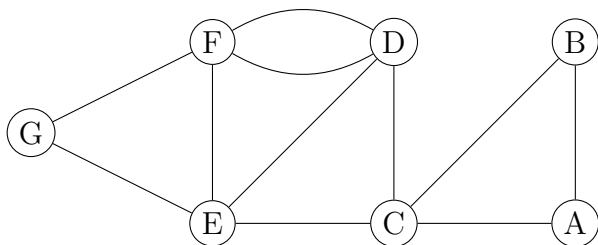
- | | | |
|------|---------|---------|
| path | circuit | neither |
|------|---------|---------|



- | | | |
|------|---------|---------|
| path | circuit | neither |
|------|---------|---------|

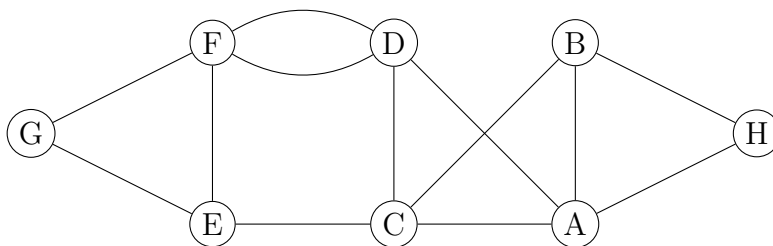


2. Find an Euler circuit on the following graph. Draw it next to the edges of the graph so it is clear what the circuit should be, and list the vertices of the circuit in order.



circuit: _____

3. (a) This graph has two vertices of odd degree. What are they? _____
 (b) Find an Euler path. Draw it next to the edges of the graph so it is clear what the path should be, and list the vertices of the path in order.

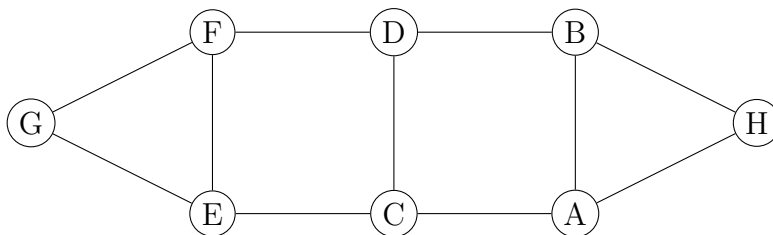


path: _____

4. (a) This graph has more than two vertices of odd degree.
 List the odd-degree vertices _____
 (b) Add some additional edges so that every vertex is even degree. Which edges did you add?

 (c) What is the smallest number of edges you can add?

 (d) Using your additional edges, find an Euler circuit. Draw it next to the edges of the graph so it is clear what the path should be, and list the vertices of the circuit in order.



circuit: _____