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Problem 1. (4 pts.) Consider the graph below.

Is $ACDAFA$ a circuit? Yes A cycle? No
Write down a (non-repeating) path from $A$ to $G$: $AFBG$ From $C$ to $E$: $CDE$

Problem 2. (6 pts.) Determine if each of the following graphs has an Euler circuit. If yes, number the edges in the order of their appearance in an Euler circuit. If no, explain why not.

Yes

No, since the highlighted vertices have odd degrees.