1. Give a regular grammar for the language of all binary strings where the difference between the number of 0s and 1s is odd.

Language is all binary strings of odd length. So do

\[
S \rightarrow 0T \mid 1T \mid 0 \mid 1 \\
T \rightarrow 0S \mid 1S
\]

2. Can a regular grammar be ambiguous? Explain.

Yes. For example, if use class algorithm to convert NFA to regular grammar and NFA accepts some string in more than one way.