1) Describe the language generated by the following grammar:
Prove that the following grammar is ambiguous:

\[
\begin{align*}
&S \rightarrow \; A \\
&A \rightarrow \; A + A \mid \text{id} \\
&id \rightarrow \; \text{a} \mid \text{b} \mid \text{c}
\end{align*}
\]

2) Describe the language generated by the following grammar; is the grammar ambiguous?

\[
\begin{align*}
&S \rightarrow \; A \; B \; C \\
&A \rightarrow \; \text{a} \; A \mid \text{a} \\
&B \rightarrow \; \text{b} \; B \mid \text{b} \\
&C \rightarrow \; \text{c} \; C \mid \text{c}
\end{align*}
\]