1. Construct a grammar for the language \{a^i b^i a^i : i \geq 0\}.

2. Construct a grammar for the language \{ww^R w : w \in \{a, b\}^*\}. (By \(w^R\) we denote the reverse of string \(w\).)

3. Construct a grammar for the language \{a^{n^2} : n \geq 0\}.