

1. Work in groups of 2–4 people. List the members of your group below. Underline your name.

2. Prove or disprove: $(ab)^* \equiv a^* (ba)^*$

3. Prove or disprove: $a^* (ab)^* \equiv a^* b^*$

4. Provide a specification of EBNF in EBNF.