1. Write your name in the space below.

2. Use the textbook's method to generate NFAs that are equivalent to $\mathsf{a}(\mathsf{d} \cup \mathsf{a})^*$ and $(\mathsf{a} \cup \mathsf{b} \cup \mathsf{c})^*(\mathsf{ab} \cup \mathsf{ba})$. [Extra practice: Convert each NFA to an equivalent DFA.]

3. Use the textbook's method to find a regular expression equivalent to the following FSA: