

The exercises below are from the course textbook (Goddard). You may use jFLAP to prepare answers for the finite automata questions.

(Note: using the tools which solve the problem for you is not in your long-term best interest ...)

- Pages 31-32, exercises 3.1, 3.6, 3.7, 3.9, 3.11
- Pages 40-43, exercises 4.1, 4.11, 4.13b, 4.14, 4.20

NOTES:

- Exercise 4.13b: It is easier to prove this using closure properties.
- Exercise 4.20: You may use the fact that $\{0^n1^n : n \geq 0\}$ is not a regular language. Also, do a formal proof; don't just try to convince your grandmother.