Specification and Verification II

(a) What is model checking? [4 marks]

(b) Distinguish between explicit state and symbolic model checking. [4 marks]

(c) Describe briefly the state explosion problem in formal verification. [4 marks]

(d) How might theorem proving help with the state explosion problem? [4 marks]

(e) How might abstraction help with the state explosion problem? [4 marks]