

1. (a) Strings that do not contain two ones(1) are not accepted.
 (b) $[0-9]^+(\backslash.[0-9]^+)?(\backslash s^*[+-]\{1\}\backslash s^*[0-9]^+(\backslash.[0-9]^+)?i)?$
 (c) Yes. It can be described by a DFA

2. (a)

