HW #7

Please give complete, well written solutions to the following exercises.

1. Section 3.2 number 38.
2. Section 3.2 number 40.
3. Section 3.2 number 60.
4. Section 3.2 number 66.
5. Section 3.2 number 78.
6. Evaluate
   \[ \log_{10}(\log_{10}(\text{one googolplex})). \]
   Show your work (look up definitions if necessary). An answer without justification will receive no credit.
7. Section 3.3 number 54
8. Section 3.3 number 62.
9. Section 3.3 number 66.