Discrete Structures
Exam I
6-4-2004
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1. Convert the proposition $\neg \mathrm{p} \rightarrow(\mathrm{q} \leftrightarrow \neg \mathrm{r})$ to a full (a) CNF (b) DNF.
2. Prove that if $n^{\wedge} 3$ is even then $n$ must also be even.
3. Convert the number 2004 to (a) binary and (b) hexadecimal.
