Discrete Structures

Exam I

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