

## Practice Problems: Midterm II

- Russell and Norvig, Chapter 7. Pages 237 - 238, 7.7, 7.8, 7.9.
- Transform the following into clausal form:

$$\neg(P \rightarrow Q)$$

$$(P \rightarrow Q) \rightarrow R$$

$$(\neg P \wedge Q) \vee (P \wedge \neg Q)$$

- Prove that  $(\neg Q \rightarrow \neg P)$  is a logical consequence (i.e., is entailed by) of  $(P \rightarrow Q)$ .