Assignment #2

Formal Statement Calculus

Exercises, pg. 36:

For #1, #2, #3, you can use any of the previous Exercises or Propositions to justify steps in proofs.

1. (a), (c)

Hint: The proof for #1c is a bit tricky. If you can't see your way through, try using the Deduction Theorem to show that $\vdash ((p_1 \rightarrow (p_1 \rightarrow p_2)) \rightarrow (p_1 \rightarrow p_2))$.

2. (a), (c)
3. (a), (c)
5.