Classification theory

Exercise 6

The numbers of exercises refer to the latest version of the notes.

1. Exercise 5.6.

2. Exercise 5.8 (i) and (ii).

3. Exercise 5.12 (i).

4.
   (i) Let $T = T_2$. Suppose A is a set and a is an element outside A. Show that $t(a/A)$ is definable almost over $\emptyset$.
   (ii) Let $T = T_\omega$. Find a set A and an element a outside A such that $t(a/A)$ is not definable almost over $\emptyset$.

5. Exercise 5.12 (iii).