1. Let $M_1$ be a closed and well-typed PCF term that is neither a lambda abstraction nor a pair. Show that if $M_1 \xrightarrow{\text{left}} N_1$ then $M_1 \xrightarrow{\text{laz}} N_1$. (Note: Your proof must be as detailed as the one shown in class. In particular, it should be clear if a step follows from an assumption or from the inductive hypothesis).

2. Exercise 2.4.17 on page 91.

3. Exercise 2.4.25 on page 96.

4. Exercise 2.6.1 on page 124.

5. (Extra Credit). Exercise 2.6.3 on page 125. Parts (a) and (b) only.