代數學II預習測驗 #07

姓名：＿＿＿＿＿＿＿＿ 系級：＿＿＿＿＿ 學號：＿＿＿＿＿＿＿＿＿ 分數：

Read Chapter 20 – Extension Fields and answer the following questions.

1. State and prove the Fundamental Theorem of Field Theory.

2. Give the definition of Splitting Field.

3. State the Existence Theorem of Splitting Field.

4. State and prove Theorem 20.3.