

September 2 Group Assignment

For the following problems, let  $X$  be a nonempty set and let  $E \subseteq (X)$ . enumerate

Let  $\mathcal{C}$  denote the collection of countable subsets of  $E$ . If  $F \in \mathcal{C}$  prove that the  $\sigma$ -algebra generated by  $F$  is contained in the  $\sigma$ -algebra generated by  $E$ .  
proof