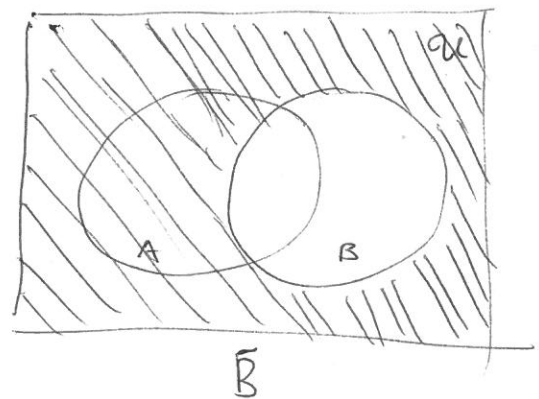
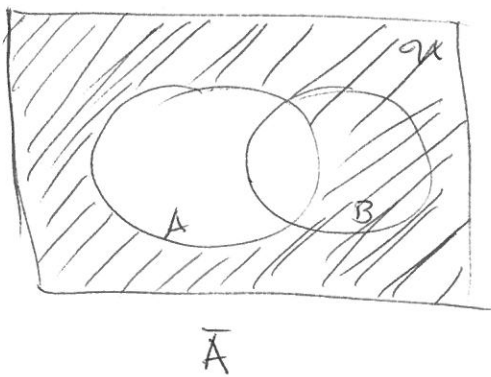
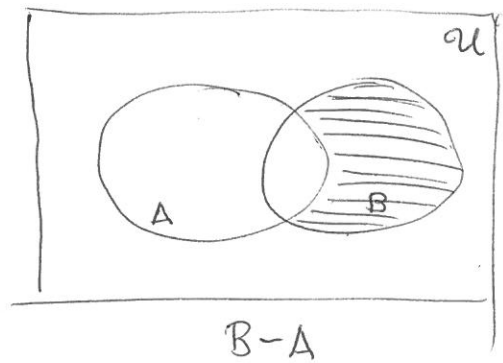
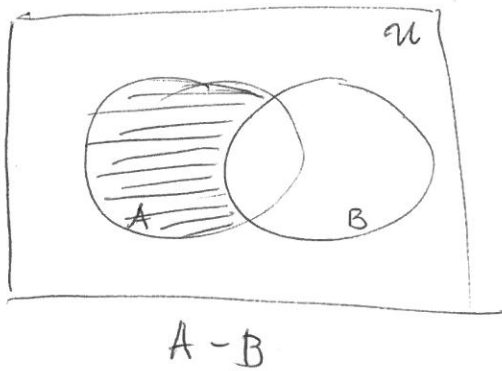
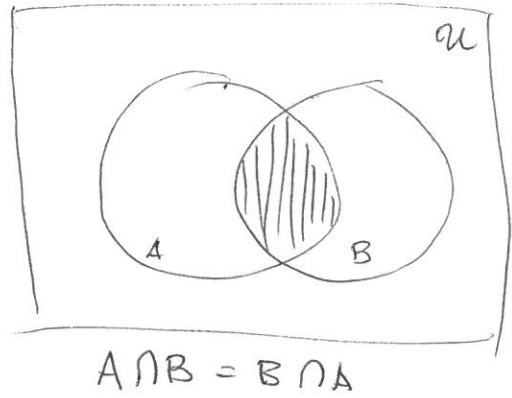
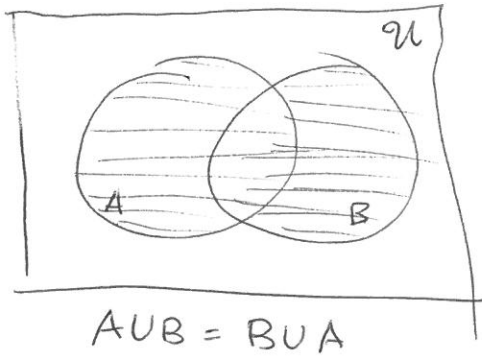


§2.2 Set Operations



Venn Diagram Representations
of Some Set Operations

§2.3 Functions

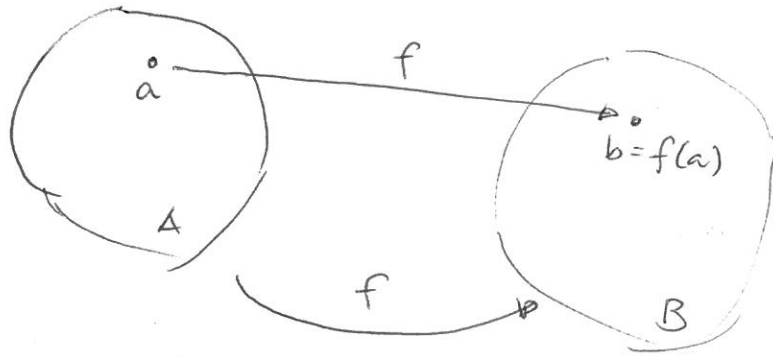


Figure 2: $f: A \rightarrow B$

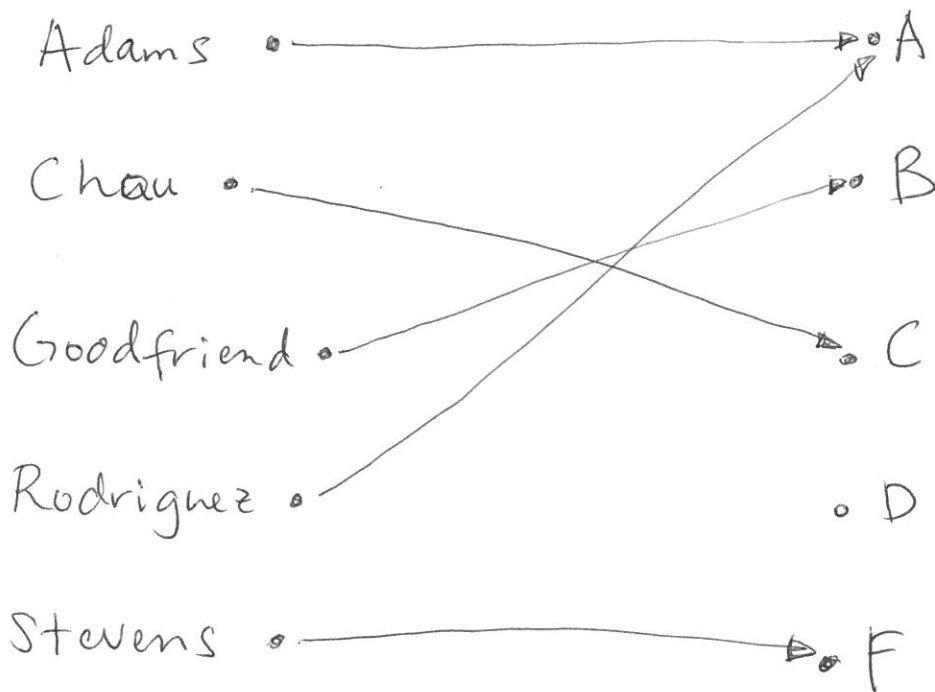


Figure 1: Assignment of Grades in a Discrete Mathematics Class

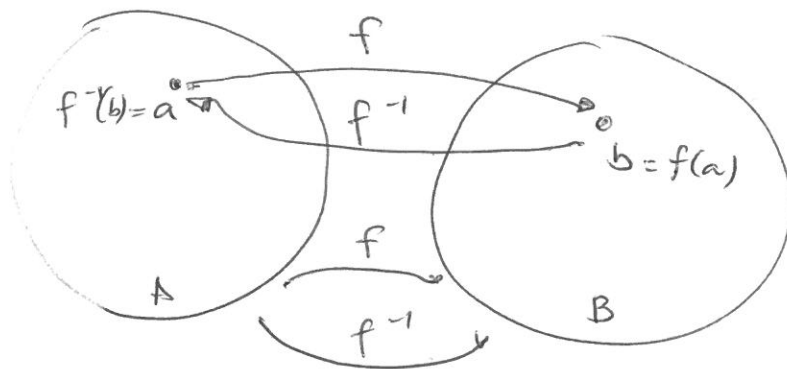
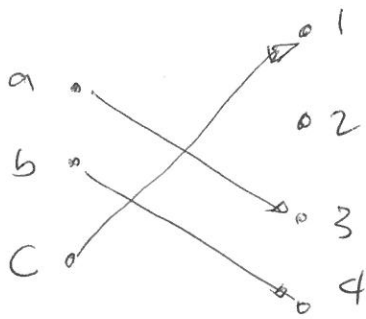
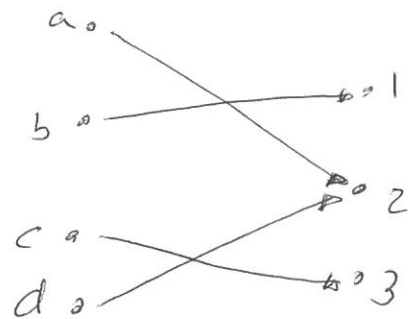


Figure 6: Inverse Functions

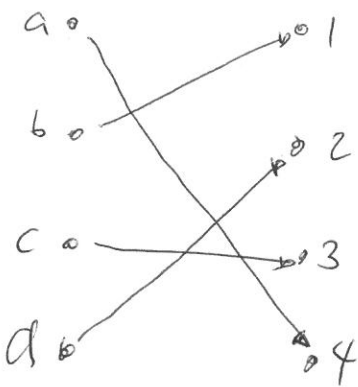
§ 2.3 Functions



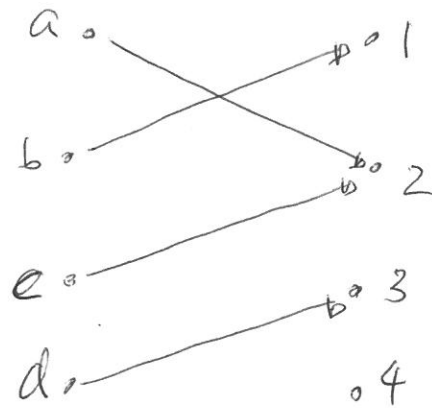
one-to-one
not onto



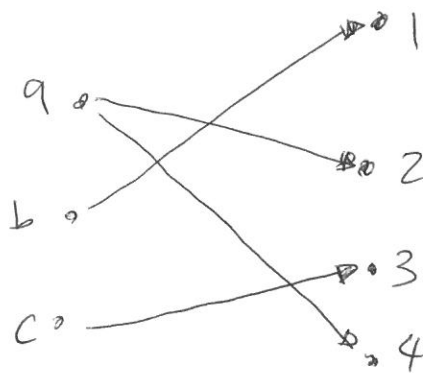
not one-to-one
onto



one-to-one
onto



not one-to-one
not onto



not a function

Figure 5 Different Types of Correspondences