Assignment 2 Set Theory Applications

Name:

1) Human blood types are classified as A, B, AB, and O according the the presence or abscence of two proteins, A and B. In addition, a third factor called Rh may be present, in which case the type is called positive, or absent, in which case it is called negative. Draw a Venn diagram that graphically illustrates the possible blood types (hint: divide the universal set according to the presence or absence of A, B, and Rh).

2)(Larson and Marx, Problem 2.2.31)

3)(Larson and Marx, Problem 2.2.37)

4) (Larson and Marx, Problem 2.2.38)

5) (Larson and Marx, Problem 2.2.39)

6) (Larson and Marx, Problem 2.2.40)