

Homework Section 12.1.

I. Read Exercises 57 and 58 on page 671.

Note about blood types:

The blood type is positive if Rh is present and negative if Rh is not present. The A (or B) appears in a blood type if the A (or B) antigen is present, and does not appear if it is not present. For example, if the individual has the A and the Rh antigen, but not the B antigen, then the blood type is A-positive. If the A, B antigens are present, but the Rh is not, then the blood type is AB-negative.

A. Copy the Venn diagram from problem 57 into your homework.

- i. For each of the regions labeled (a)-(g), use set notation to write the name of the region using the sets A, B and Rh.

For example: The section that is not labeled is $A \cap B' \cap Rh$ (where B' denotes the complement of B).

- ii. Solve problem 57 page 671.

B. Copy the Venn Diagram from problem 57 into your homework (again), making it large enough to clearly write numbers in each of the regions.

- i. Using the information given, determine how many people belong to each region, and enter the numbers in the diagram.

- ii. Solve problem 58 page 671.

II. Do problems 60-65 on page 672. Remember to include units in your answers.