Assignment 11 Christopher Chapline

Problem 1

 $((F(a) \land G(a)) \lor (F(b) \land G(a)) \lor (F(a) \land G(b)) \lor (F(b) \land G(b)))$

Problem 2

Part a

The language consisting of strings of either 1 or more a's or strings of 1 or more b's.

Part b

This is the language that contains strings containing some of a's and b's.

Part c

This is the language that contains only the empty string.

Part d

This is the empty language that contains no strings.

Problem 3

The language consists of strings of at least length 3 which contain a sequence of a's and b's.



