Web Assignment #6 – Logic

Name:___________________________________

**Due:** If turned into me by the beginning of next class I will correct this assignment for you and you will be able to use it to prepare for the next test. The score received on this assignment will **not** count toward your grade.

1. When did George Boole formulate his laws of logic known as Boolean Algebra? (Use a complete sentence.)

2. Boole replaced the arithmetic operations +, -, x with what logic operations? (Use a complete sentence.)

3. In the study of arithmetic we combine numbers. What do we combine in the study of logic? (Use a complete sentence.)

4. According to Boole’s laws of logic, fill in the following:

   T and T =
   T and F =
   F and T =
   F and F =
   T or T =
   T or F =
   F or T =
   F or F =
   Not T =
   Not F =

5. What do the circuits in a computer correspond to in logic? (Use a complete sentence.)

6. Why is George Boole’s algebra a part of our lives? (Use a complete sentence.)