College Mathematics
conditional logic homework key

1. (a) If two people are cousins, then they are related.
   (h) If two people are not related, then they are not cousins.

2. (a) If a shape is a square, then the shape is a rectangle.
   (h) If a shape is not a rectangle, then the shape is not a square.

3. (a) If someone wears glasses, then that person is shy.
   (d) If someone is not shy, then that person does not wear glasses.

4. If a person is a blonde, then that person is fun.
   If a person is not fun, then that person is not a blonde.

5. If a food contains sugar, then it tastes sweet.
   If a food does not taste sweet, then it does not contain sugar.

6. If something is an herb, then it is made from leaves.
   If something is not made from leaves, then it is not an herb.

7. If a shape is a rectangle, then it has a right angle.
   If a shape does not have a right angle, then it is not a rectangle.

8. If you do not have a special license, then you do not drive a bus.

9. If you do not love a person, then you are not attracted to that person.

10. If a number is not positive, then it is not greater than 100.