CIS 255 - Java Programming
Homework #4
ifthen

Name:		
Date:		

1. Given the following values for boolean variables p, q, r, s, evaluate each condition.

p = true, q = true, r = false, s = false

```
a.) (p || r) && (q || s)
```

## 2. Do a hand simulation of each program.

```
a.)
      public class HK4Q2a {
          public static void main(String args[]) {
              int alpha = 2;
              int beta = 5;
              if (alpha > beta) {
                  alpha++;
              if (alpha <= beta) {
                  System.out.println(alpha);
               } else {
                  System.out.println(beta);
              System.out.println(alpha + "" + beta);
           }
      }
      public class HK4Q2b {
b.)
          public static void main(String args[]) {
              int gamma = 3;
              int delta = 4;
              if (gamma == delta) {
                  gamma--;
               } else if (gamma < delta) {
                  gamma += 2;
                  delta += 2;
              System.out.println(delta + "" + gamma);
           }
      }
```