CS 99: Fundamental Programming Concepts
Summer 2000

Expressions Answers

1. What is the value of e after each of the following assignments?
   ```
   false
   true
   true
   false
   false
   true
   false
   true
   ```

2. Determine whether the following expressions are true or false. Assume a = 2 and b = 3.
   ```
   a. true
   b. false
   ```

3. Parenthesize to show the order of operations:

   ```
   ((a == b) && ((a * a) < (b * b))) || ((b < a) && ((2 * a) < b))
   ```

4. Write an expression using the variables a, b, and c that determines (i.e., is true if):
   ```
   a. a > b
   b. a < b && b < c || c < b && b < a
   c. c >= b && c >= a
   d. a == b && b == c
   e. a == b || b == c || c == a
   ```