CS 100 Exercise 3: Java Conditionals
Summer 2001
Due in lecture, Friday June 29

Name: ___________________________ CUid: __________________

1. Objective
The purpose of this exercise is to experiment with conditional statements in Java.

2. Geometry
A right angle measures exactly 90 degrees. Smaller angles are termed acute, and larger angles are obtuse. Assume angle1 is a type double variable that represents the size of an angle in degrees.

// Fill in the blanks with appropriate conditional expressions:

if (_______________________________)
{
   System.out.println("Angle 1 is acute.");
}
else if (_______________________________)
{
   System.out.println("Angle 1 is obtuse.");
}
else
{
   // Output an appropriate message
   System.out.println("_______________________________");
}

The keyword else appears in two places in this code fragment. What would the output look like if we removed the first else and angle1 had the value 30?

A triangle is composed of three line segments. If all three are the same length, then it is an equilateral triangle. Assume a, b, and c are type int variables that represent the lengths of the three sides of a triangle.

// Fill in the blank with an appropriate conditional expression:

if (_______________________________)
{
   System.out.println("It’s an equilateral triangle.");
}