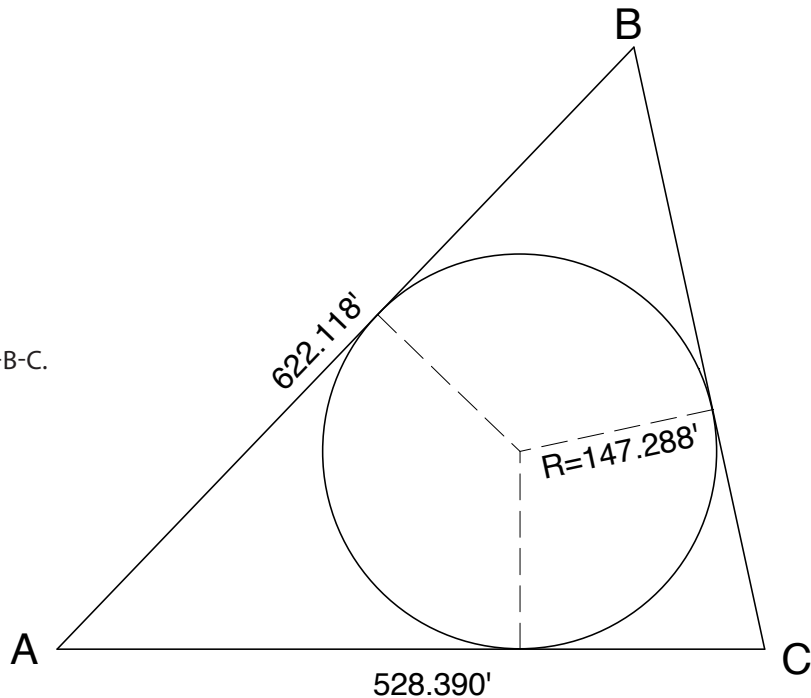


Problem  
**172**

by Dave Lindell, L.S.

The circle is inscribed in triangle A-B-C.  
What is the length of side BC?



Problem  
**173**

by Benjamin Bloch, Ph.D.

- Apply SDQ to the Fibonacci Series (discussed in Problem 171).
- What pattern is evident?
- What secondary pattern do you notice?

Problem  
**171**  
reference

**Fibonacci Series**

There are growth patterns in nature that can be exhibited mathematically by the Fibonacci Series, a recursive sequence where each term or number is the sum of its two preceding numbers. Consider the Fibonacci Series based on the two numbers 1 and 1. Thus: 1, 1, 2, 3, 5, 8, 13, etc. The third number, 2, is the sum of the two preceding numbers 1 and 1. The fourth number, 3, is the sum of the two preceding numbers 1 and 2.