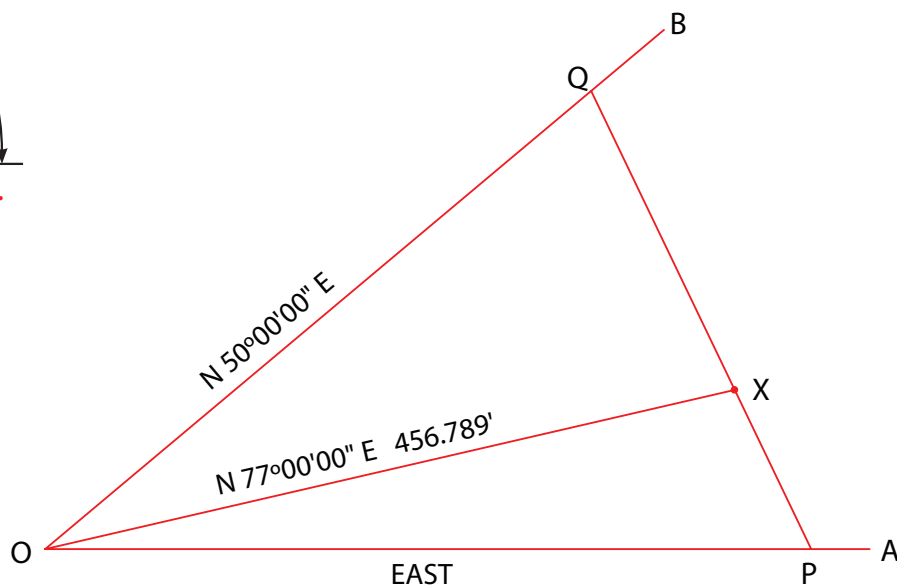


Problem  
**136**

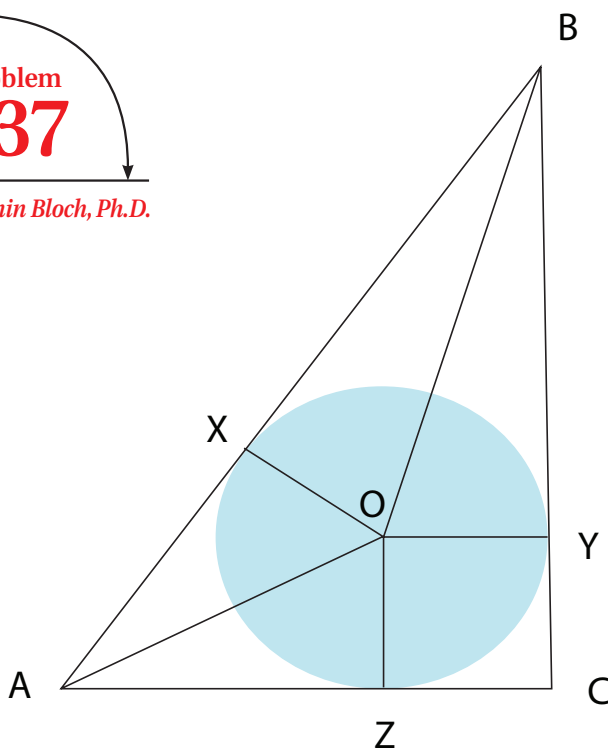
by Dave Lindell, L.S.



What is the shortest line P-Q that passes through point "X" ?

Problem  
**137**

by Benjamin Bloch, Ph.D.



A circle is inscribed in the smallest integer right triangle whose perimeter and area both have a SDQ of 9. Angles at X, Y, and Z are all right angles.\*

Determine the following:

- A) Sides: AX, XB, BY, YC, AZ, and ZC
- B) Area of the circle
- C) Areas of each of the four interior triangles
- D) Angles OBX and OAX.

\*For a discussion of SDQ, see any previous odd-numbered Problem Corner since February.