This month’s challenges require you to find an arc radius and the radius of a tube. Solutions can be found on our website at www.profsurv.com.

Problem 47
What is the radius of the arc?

Problem 48
You have 3 sizes of pipes you want to store in a plastic tube as shown. What size tube will keep all of the pipes tangent to each other, and all of the pipes tangent to the tube?

The problems for this column are contributed by retired California surveyor Dave Lindell, LS.