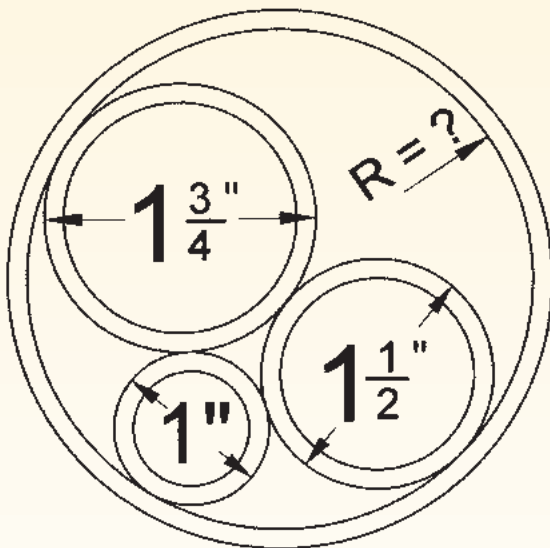
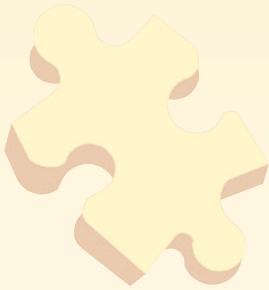
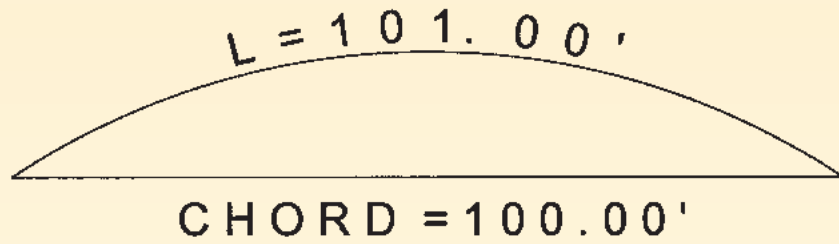


## PROBLEM CORNER

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](http://www.profsurv.com).

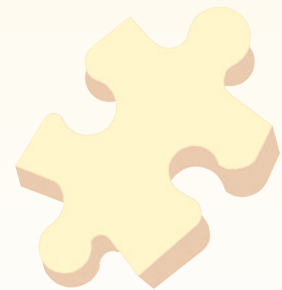
### Problem 47

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.