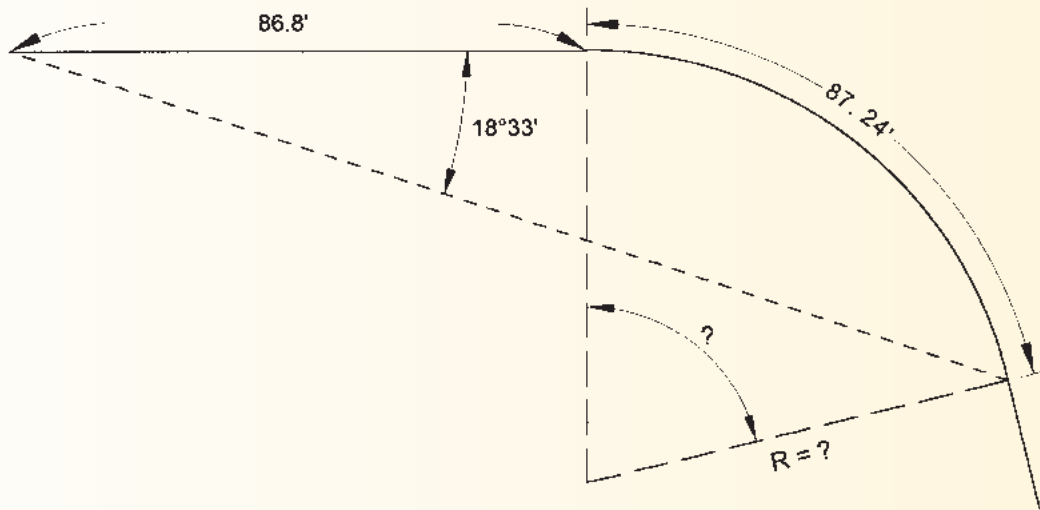


# PROBLEM CORNER

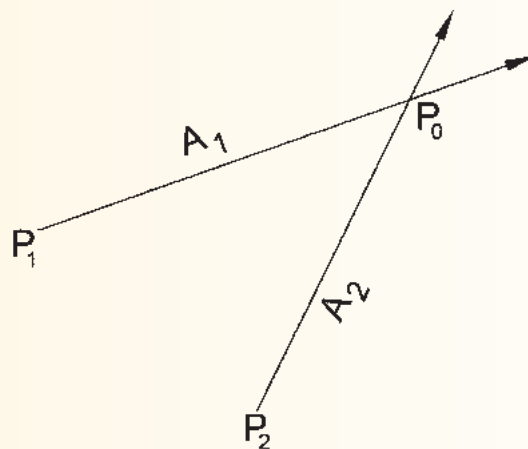
## Problem 95

Hayley sets up her instrument on a tangent 86.8' from the beginning of a curb return and measures  $18^{\circ}33'$  to the end of the return as shown, while Jeff and Kelly measure the length of the arc as 87.24'. What is the radius and the central angle of the curve?



## Problem 96

Most surveyors are familiar with bearing-bearing intersections. Given Point  $P_1$  and Point  $P_2$  and azimuths  $A_1$  and  $A_2$ , derive an equation for an azimuth-azimuth intersection.



Solutions can be found on our website at [www.profsurv.com](http://www.profsurv.com)

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