Problem 77
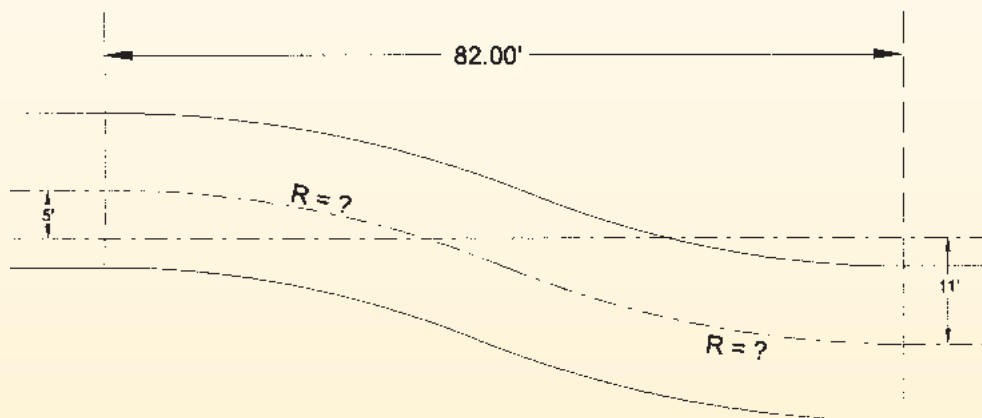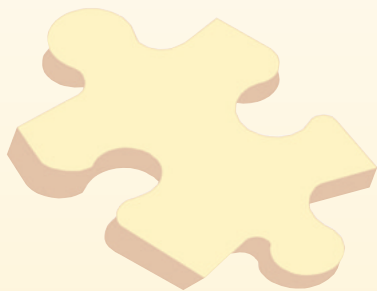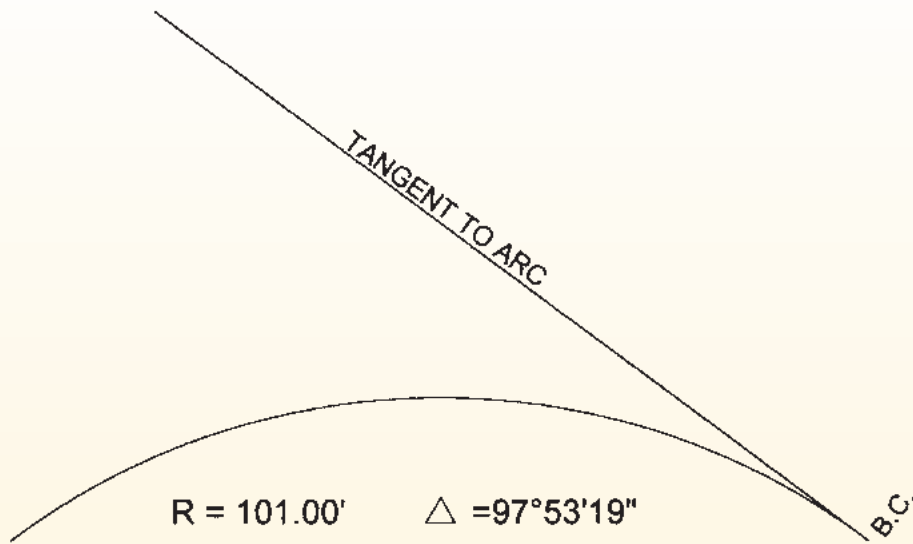
The centerline of a new 16' wide alignment is to go from 5' on one side of an old centerline to 11' on the other side in a fixed distance of 82.00'. If the transition is made with an equal radius reverse curve, what are the radii and central angles of the new centerline?

Problem 78

Given the required radius and central angle, lay out the curve in seven equal parts from the tangent line.

R = 101.00'   △ = 97°53'19"

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