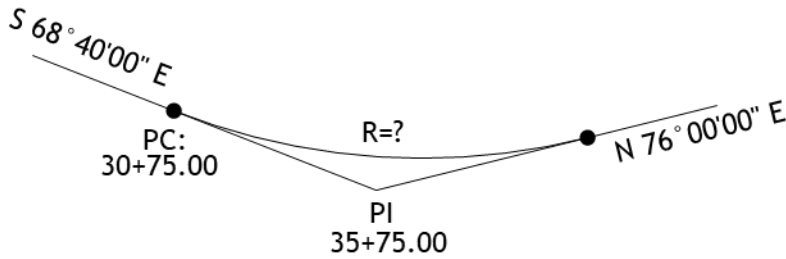


Problem 1. What curve radius meets this design?

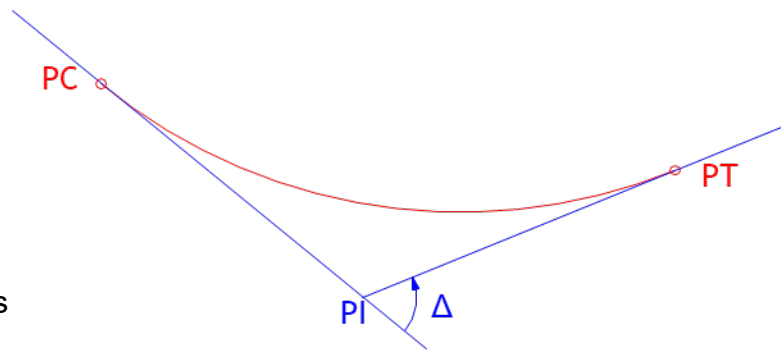


Problem 2. Given the following data:

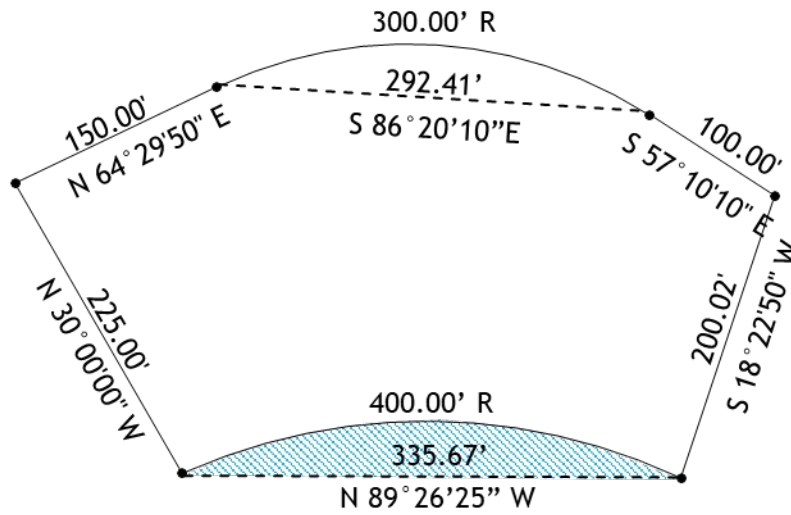
PI Sta = $25+00.00$
 $\Delta = 65^\circ 00' 00''\ L$
 $R = 700.00\ ft$

Part a. What are the PC & PT stations?

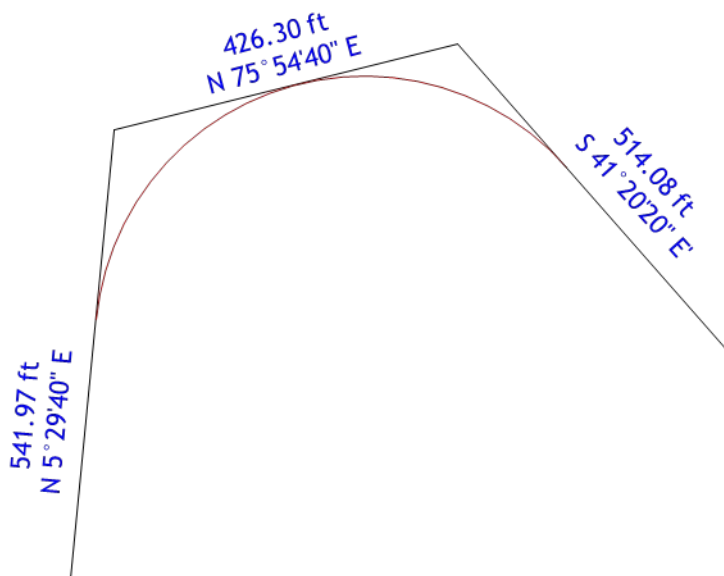
Part b. What is the chord distance between the first and last full stations on the curve?



Problem 3. What is the area bounded by the southern curve and its chord?



Problem 4. What is the radius of the curve which is tangent to all three lines?



Problem 5. What is the area between the two tangent circular arcs and tangent lines?

