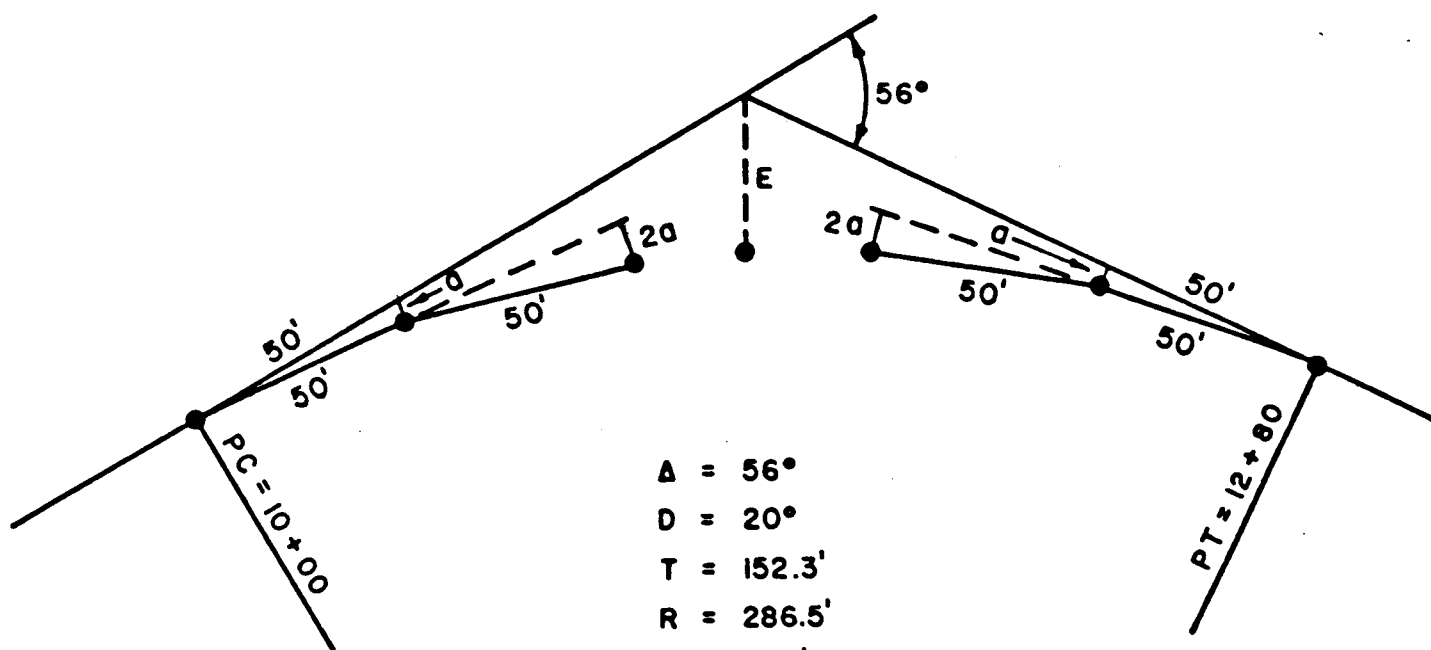WHERE:

TO TEST FIT,
1. PC IS CHOSEN OR APPROXIMATED.
2. R IS A CHOSEN RADIUS, EXAMPLE 200'.
3. CHORD (C) IS CHOSEN (USUALLY 25').
4. a = CHORD OFFSET WHERE:

$$a = \frac{C^2}{2R}$$

$\Delta = 56°$

$D = 20°$

$T = 152.3'$

$R = 286.5'$

$L = 280'$

$E = 38'$

$a = \frac{C^2}{2R}$

WHERE C = 50'

$a = \frac{50 \times 50}{2 \times 286.5} = 4.4'$