



A-PI = 670.73
 PI-MH = 150.12
 PI-M = 777.27

$\angle A-PI-MH = 65^{\circ}48'40''$
 $\angle A-PI-M = 106^{\circ}$

Brg PI-MH = N 7° 22' 10" E
 COORDS PI = 1000, 1000
 COORDS MH = N = 1148.88, E = 1019.26

SOLVE BY TRIAL & ERROR BY ASSUMING Tan length
 $T = R \tan I/2$

T = 400 R = 530.22
 PC = N = 1209.35 E = 659.16
 RP = N = 1661.69 E = 936.97 R = 519.35

T = 395 R = 524.18
 PC = N = 1204.73 E = 663.42
 RP = 1663.45 E = 937.76 R = 511.11

T = 405 R = 537.45
 PC = N = 1211.96 E = 654.90
 RP = N = 1669.93 E = 936.18 = 527.63

T = 415 R = 550.72
 PC = N = 1217.20 E = 644.38
 RP = N = 1686.47 E = 934.61 = R = 544.21 + L = 550.27

T = 416 R = 552.05
 PC = N = 1217.72 E = 645.52
 RP = N = 1688.13 E = 934.45 R = 545.87 + L = 551.87
 Diff in R = 0.12 ft \therefore OK