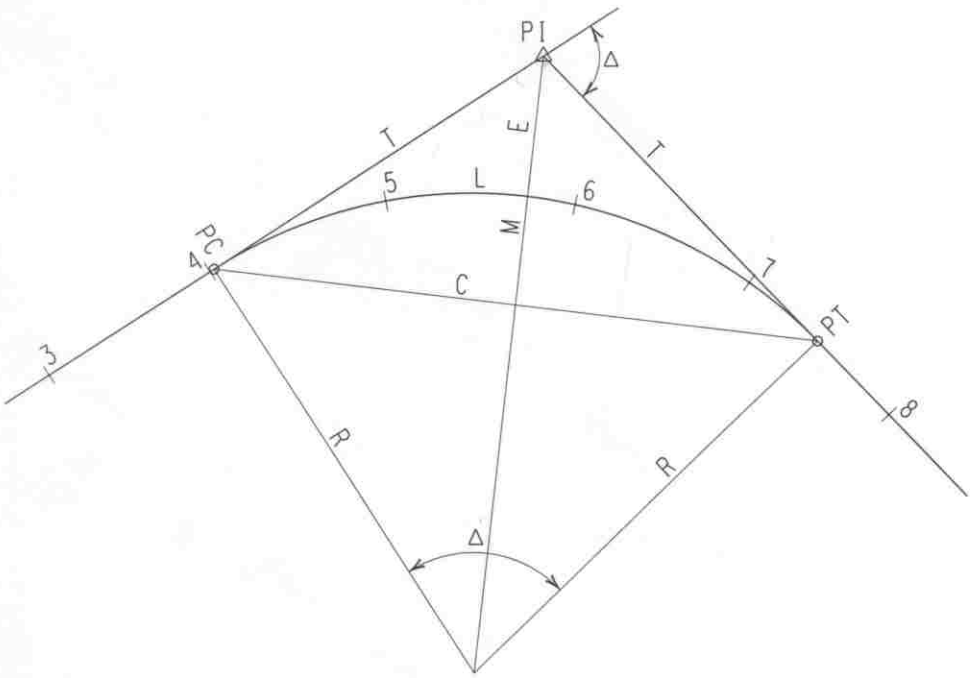
Circular Curve Data



$$R = \frac{5729.58}{Dc} \qquad T = R(\tan(\Delta/2)) \qquad L = \frac{\pi R \Delta}{180} = \frac{100\Delta}{Dc}$$

$$C = 2R(\sin(\Delta/2)) = 2T(\cos(\Delta/2)) \qquad M = R(1-\cos(\Delta/2)) \qquad E = T(\tan(\Delta/4))$$

R= RADIUS Dc= DEGREE OF CURVATURE T= TANGENT L= LENGTH OF CURVE
Δ= DELTA= DEFLECTION ANGLE C= CHORD M= MIDDLE ORDINATE E= EXTERNAL
PC= POINT OF CURVATURE
PI= POINT OF INTERSECTION
PT= POINT OF TANGENCY

PC STATION = PI STATION - T
PT STATION = PC STATION + L