

# Test Yourself



By Richard L. Elgin, PhD, LS, PE

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## Compound Curve Replacement

**F**or the compound curve shown, (1 is  $68^{\circ}10'42''$  and R1 is 742.98 feet. (2 is  $80^{\circ}08'10''$  and R2 is 241.98 feet. This compound curve system is to be replaced with one circular curve. The PC of the new curve is to be at the same location as the PC of the compound curve system. Compute the radius of the new circular curve.

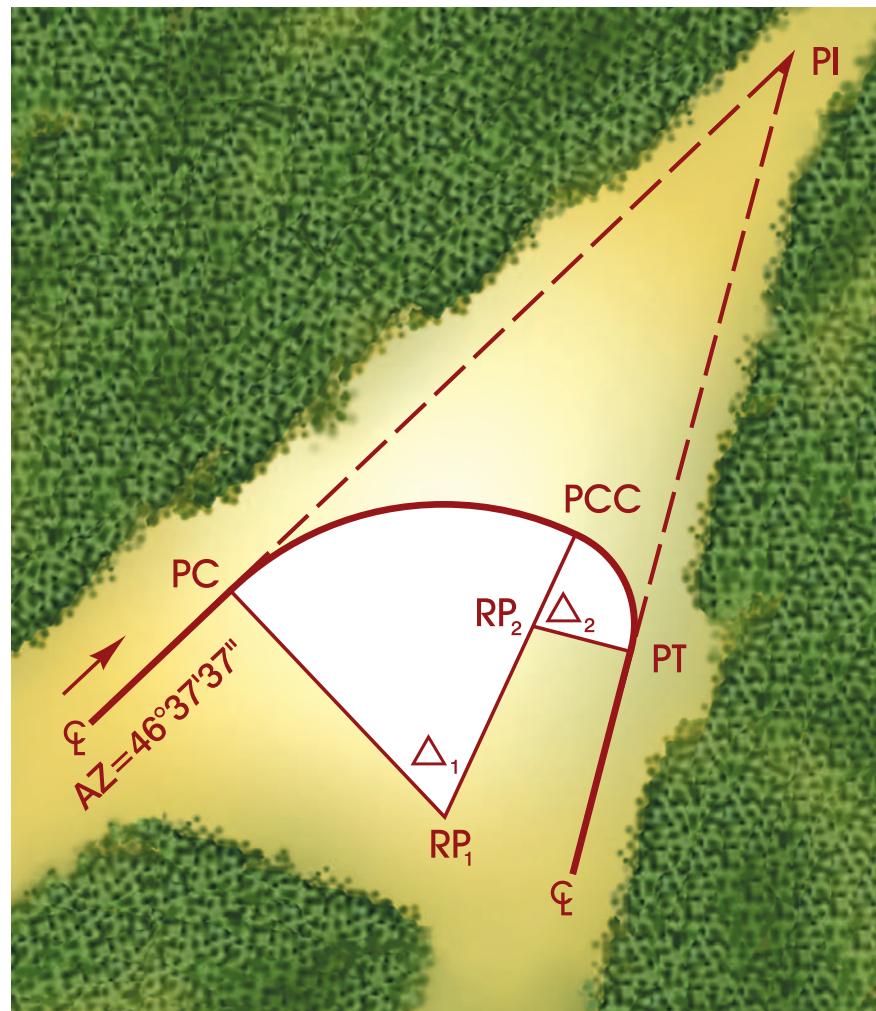
For the solution to this problem (and much more), please visit our website at: [www.TheAmericanSurveyor.com](http://www.TheAmericanSurveyor.com).

Good luck!

For more information about the PLS exam and its contents, visit the NCEES website at [www.ncees.com](http://www.ncees.com).



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