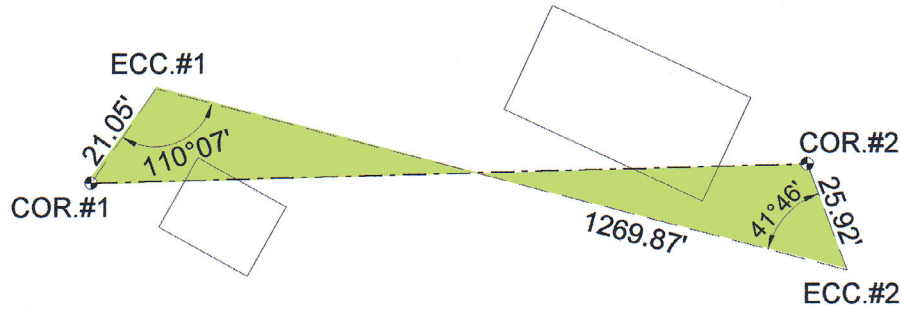




PROBLEM CORNER

This month's trigonometry challenges involve finding the distance between two corners, and finding the state plane coordinates of a traverse.

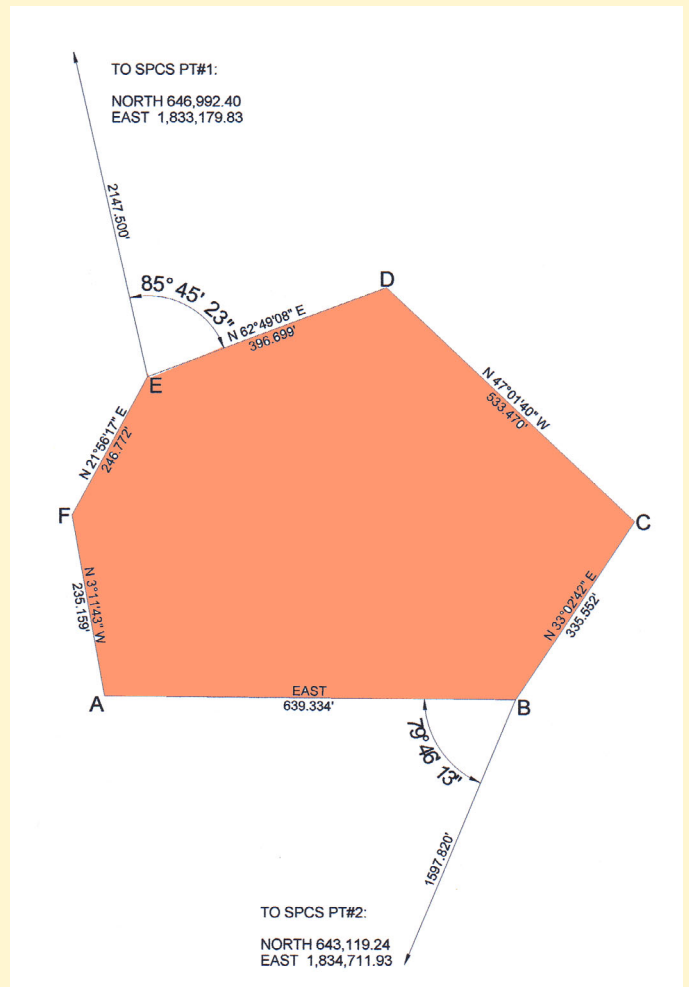


Problem Number 5

Jeff and Tony could not occupy either corner to get a measured distance between them, so they measured the data shown. What is the distance between the two corners?

Problem Number 6

Katrinka ran the traverse A-B-C-D-E-F-A with an assumed coordinate of N 1000, E 3000 for Point "A" and an assumed bearing of "east" for line A-B. She later tied the traverse to the state plane coordinate system by the two angles and distances shown. What are the state plane coordinates of her traverse?



The problems for this column are contributed by retired California surveyor Dave Lindell, LS.