



You measure a long line with your EDM as 58,000.31 feet. At the lower end, at an elevation of 2421.67 feet above sea level, you measure a zenith angle to the upper end of $87^{\circ}32'59''$, and at the upper end you measure a zenith angle of $92^{\circ}29'22''$ to the lower end. What is the sea level distance between the points?



While still occupying point “A” you also measure 36,911.21' to point “C” at an elevation of 2,622.91' above sea level. What is the sea level distance between points “A” and “C”?

Solutions can be found on our website at www.profsurv.com

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