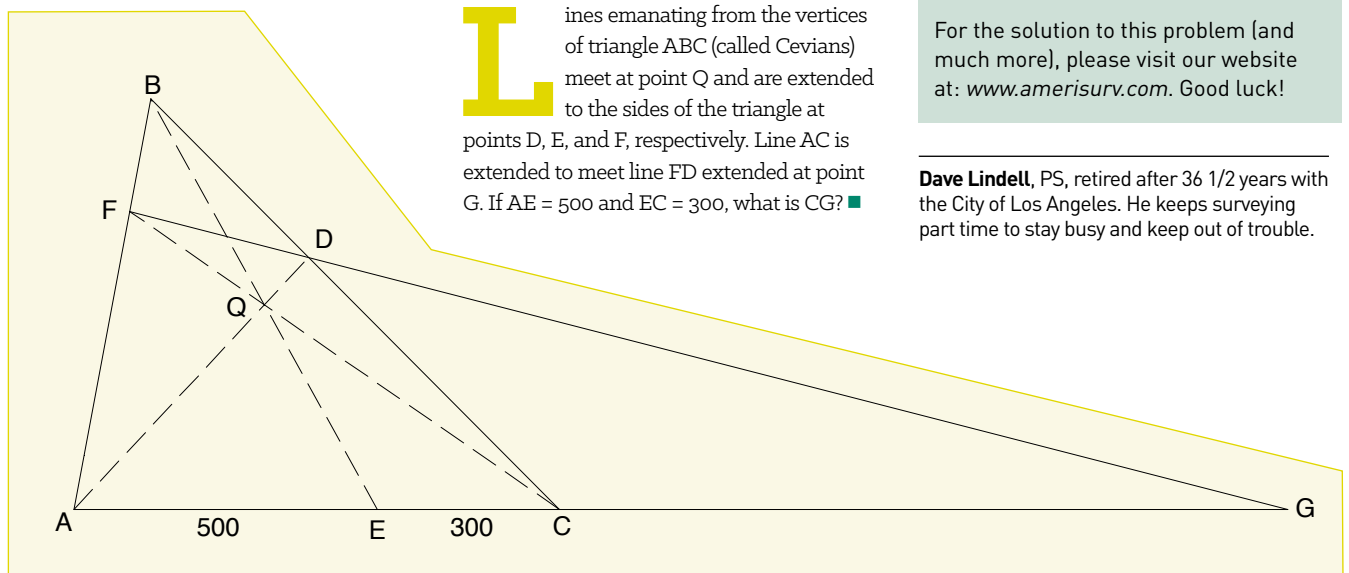




test yourself

Hint—Harmonic Conjugates



Lines emanating from the vertices of triangle ABC (called Cevians) meet at point Q and are extended to the sides of the triangle at points D, E, and F, respectively. Line AC is extended to meet line FD extended at point G. If $AE = 500$ and $EC = 300$, what is CG? ■

For the solution to this problem (and much more), please visit our website at: www.amerisurv.com. Good luck!

Dave Lindell, PS, retired after 36 1/2 years with the City of Los Angeles. He keeps surveying part time to stay busy and keep out of trouble.