

Group Example Problem 5

Compute the x and y coordinates from the following balanced.

Side	Bearing degree minutes			Length (ft)	Latitude	Departure	Balanced		Points	Coordinates		
							Latitude	Departure		x	y	
AB	S	6	15	W	189.53	-188.403	-20.634	-188.388	-20.601	A	100.000	100.000
BC	S	29	38	E	175.18	-152.268	86.617	-152.253	86.648	B		
CD	N	81	18	W	197.78	29.916	-195.504	29.933	-195.470	C		
DE	N	12	24	W	142.39	139.068	-30.576	139.080	-30.551	D		
EA	N	42	59	E	234.58	171.607	159.933	171.627	159.974	E		
					939.46	-0.079	-0.163	0.000	0.000			