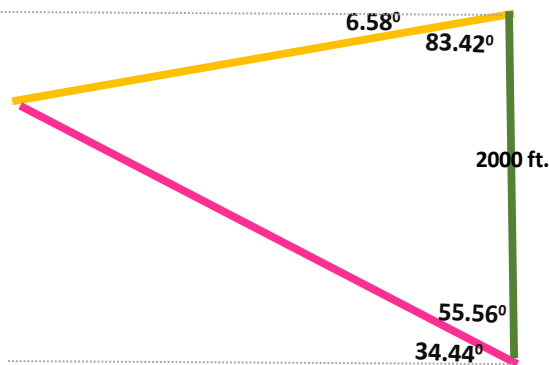
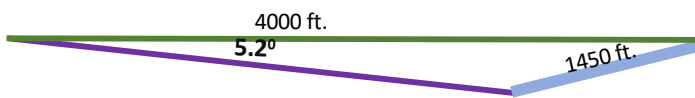
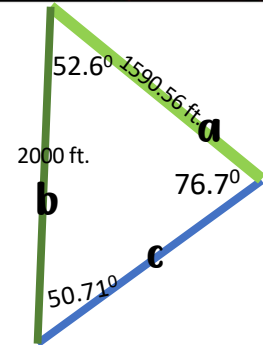
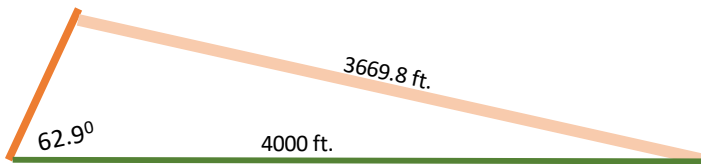
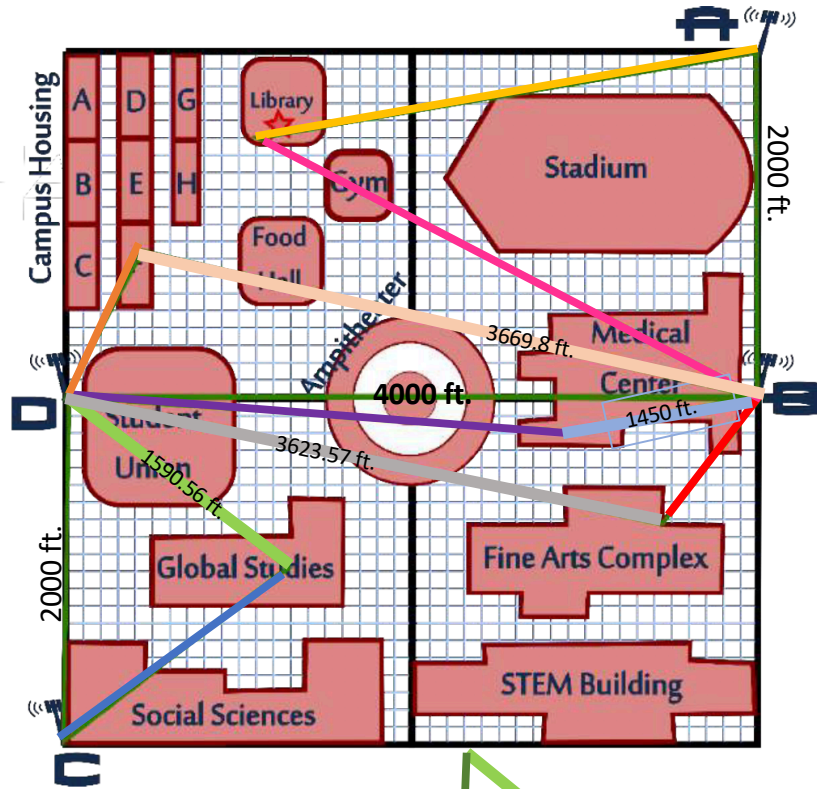
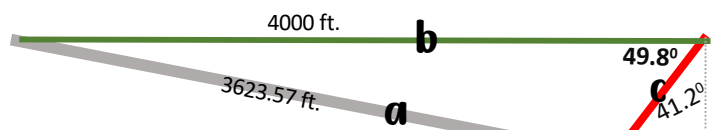


# SUSPECT ALPHA

	Tower A	Tower B	Tower C	Tower D
1:00	—	—	50.71° East of North	1590.56 feet away
1:10	—	41.2° West of South	—	3623.57 feet away
1:20	—	1450 feet away	—	5.2° South of East
1:30	6.58° South of West	34.44° North of West	—	—
1:40	—	3669.8 feet away	—	62.9° North of East



- $\frac{\sin 50.71}{1590.56} = \frac{\sin \theta}{2000} = 76.7^\circ$
- Find the other angle using  $180^\circ$ -others.
- $c^2 = a^2 + b^2 - 2ab \cos c$   
Finding "c" will enable you to create your triangle



- Find the green-grey angle by using law of sines. Since you know the grey line goes in that direction, you can make that angle "c"
- Then you can subtract those angles from 180 to get angle "b"
- From that, you should be able to triangulate!