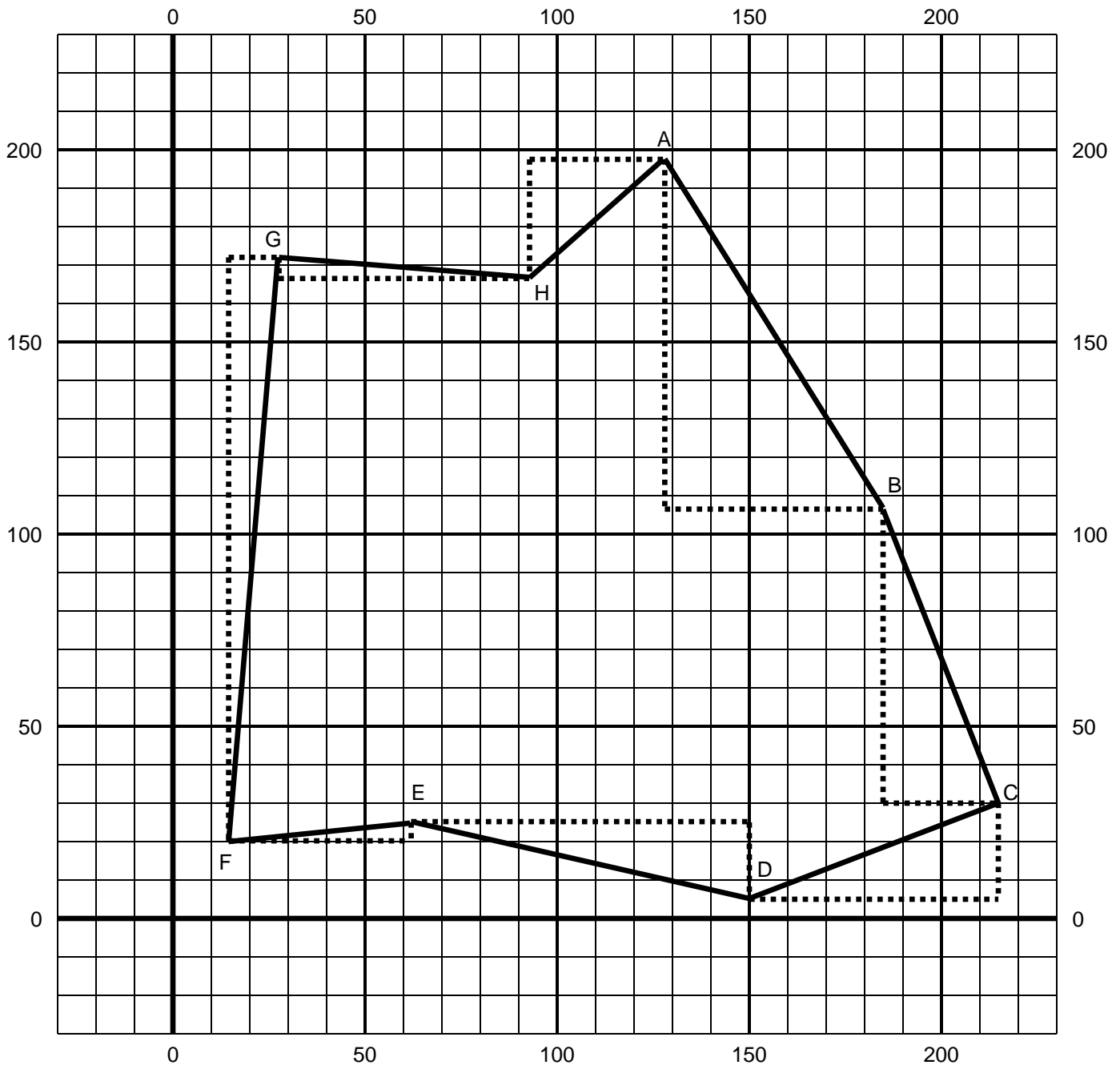


Key

- 1) Plot the following northings and eastings on the grid below:

197.5000	106.5000	30.0000	5.0000	25.0000	20.0000	172.0000	166.5000
128.0000	185.0000	215.0000	150.0000	62.0000	14.5000	27.5000	93.0000
- 2) Connect the plotted points to create traverse A-B-C-D-E-F-G-H-A
- 3) Determine the latitude (change in northing) and departure (change in easting) between adjacent coordinates and use these figures to sketch triangles where the "hyp" is the traverse course, the "opp" side is the departure, and the "adj" side is the latitude. Calculate the bearing and distance for each course and record the data on the chart on the next page.



Key

STA	NORTHING	EASTING	LATITUDE	DEPARTURE	BEARING	AZIMUTH	DISTANCE
A	197.5000	128.0000					
			-91.0000	57.0000	S 32-03-43 E	147-56-17	107.38'
B	106.5000	185.0000					
			-76.5000	30.0000	S 21-24-47 E	158-35-13	82.17'
C	30.0000	215.0000					
			-25.0000	-65.0000	S 68-57-45 W	248-57-45	69.64'
D	5.0000	150.0000					
			20.0000	-88.0000	N 77-11-45 W	282-48-15	90.24'
E	25.0000	62.0000					
			-5.0000	-47.5000	S 83-59-28 W	263-59-28	47.76'
F	20.0000	14.5000					
			152.0000	13.0000	N 04-53-18 E	4-53-18	152.55'
G	172.0000	27.5000					
			-5.5000	65.5000	S 85-12-01 E	94-47-59	65.73'
H	166.5000	93.0000					
			31.0000	35.0000	N 48-28-06 E	48-28-06	46.75'
A	197.5000	128.0000					