Name: **NEPTUN:**

Use the given coordinates and the computation sheet to calculate the coordinates of the traverse points and write them into the table with centimeter precision. After that, draw a sketch of the traverse line.

List of coordinates

Point ID	Easting [m]	Northing [m]
S	627 412.55	182 293.82
E	629 579.15	182 018.17
T1	628 265.00	182 915.07
T2	628 986.91	181 039.08
T3	627 164.91	181 779.15
T4	631 007.51	180 142.85
T5	628 919.61	181 544.55
T6	628 850.81	182 993.49

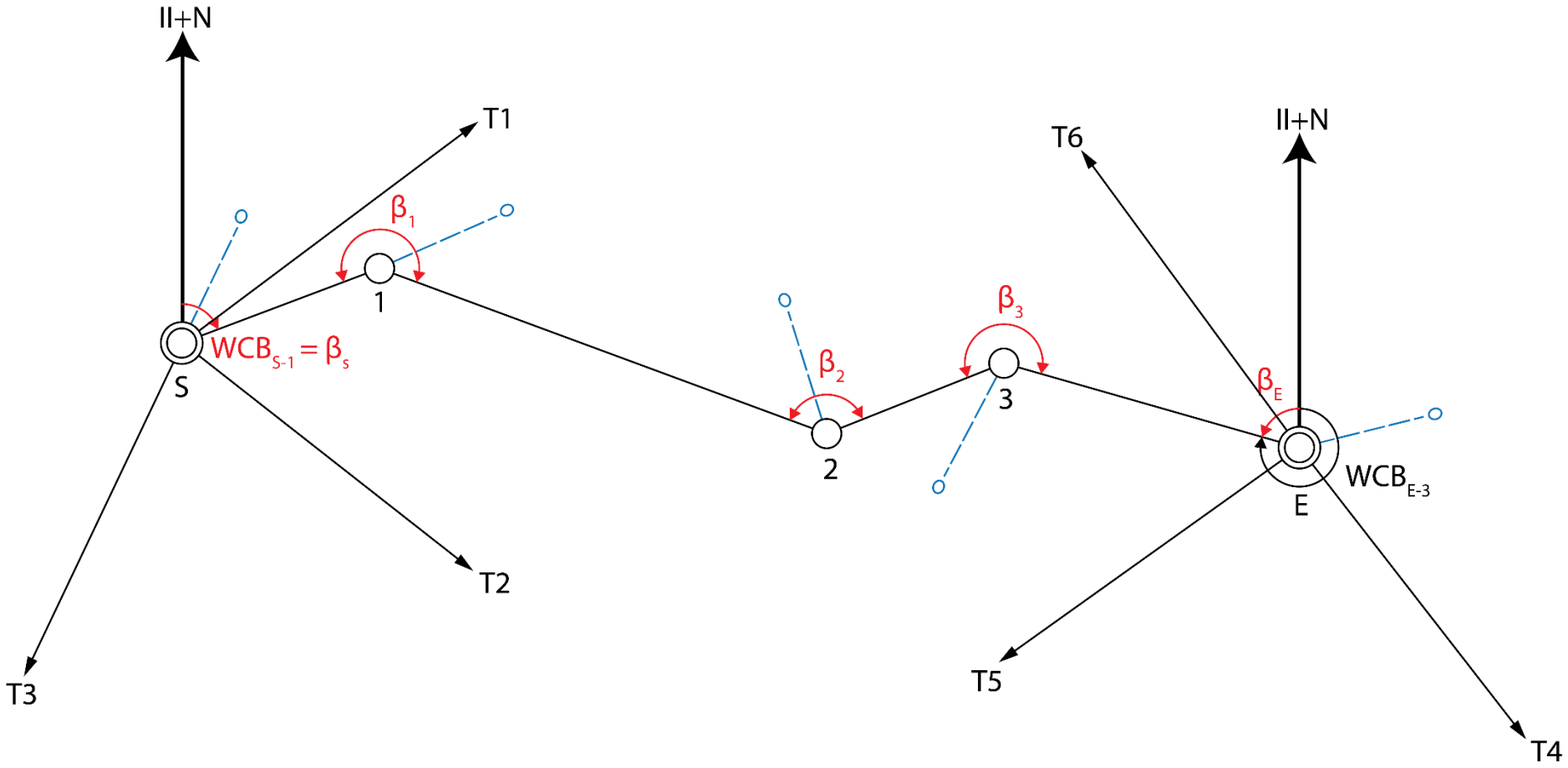
Coordinates of the traverse points

Point ID	Easting [m]	Northing [m]
1	627 812.53	182 362.80
2	628 667.98	182 045.21
3	629 010.86	182 177.38

Station ID	Target ID	Mean Direction ° ‘ “			Orientation angle ° ‘ “			Whole Circle Bearing / Deflection angle ° ‘ “			Distance [m]
S	T1	18	25	01	**35**	**29**	**57**	**53**	**54**	**58**	**1054.809**
	T2	93	03	59	**35**	**29**	**16**	**128**	**33**	**15**	**2013.202**
	T3	170	12	31	**35**	**29**	**11**	**205**	**41**	**42**	**571.149**
	1	44	43	28	35	29	27	80	12	55	405.89
1	S	195	16	47							405.90
	2	45	25	45				**210**	**08**	**58**	912.53
2	1	306	51	52							912.54
	3	85	24	58				**138**	**33**	**06**	367.47
3	2	40	40	46							367.47
	E	257	24	26				**216**	**43**	**40**	590.20
E	T4	66	27	12	**76**	**15**	**05**	**142**	**42**	**17**	**2357.337**
	T5	158	03	40	**76**	**15**	**23**	**234**	**19**	**03**	**811.978**
	T6	246	59	21	**76**	**15**	**34**	**323**	**14**	**55**	**1217.263**
	3	209	23	54	76	15	16	285	39	10	590.19

Name: **NEPTUN:**

Station	Distance	WCB			(ΔE)	(ΔN)	ΔE	ΔN
		β						
		vβ			vΔE	vΔN	E	N
S		180	00	00				
		80	12	55				
				+6			627 412.550	182 293.820
1	405.895	80	13	01	399.993	68.969	399.981	68.977
		210	08	58				
				+6	-0.012	0.008	627 812.531	182 362.797
2	912.535	110	22	05	855.480	-317.607	855.453	-317.588
		138	33	06				
				+6	-0.027	0.019	628 667.984	182 045.209
3	367.470	68	55	17	342.882	132.160	342.871	132.168
		216	43	40				
				+6	-0.011	0.008	629 010.855	182 177.377
E	590.195	105	39	03	568.313	-159.219	568.295	-159.207
		74	20	50				
				+7	-0.018	0.012	629 579.150	182 018.170
Σ	2276.095	719	59	29	2166.668	-275.697	2166.600	-275.650
		720	00	00				
				+31	-0.068	0.047		
					ΔL = 0.083			


II+N
T1
β1
1
WCBS-1 = βs
S
T3
T2
β2
2
β3
3
II+N
T6
βE
WCBE-3
E
T5
T4