

VD 6.2

Solve triangles and find their areas

(Given are in the black ink, and the solutions are in the red ink). All angle measures are in degrees.

$m\angle A$	$m\angle B$	$m\angle C$	a	b	c	Area
29.93	63.90	86.18	5	9	10	22.45
58	no solution	no solution	5	13	no solution	no solution
50	29.44	100.56	23.38	15	30	172.36
no solution	70	no solution	no solution	10	12	no solution
43.31	28.69	108	10	7	13.87	33.29
35	125	20	8.39	11.98	5	17.17
43.25	75	61.75	7	9.87	9	30.43
121.25	40	18.75	7.98	6	3	7.69
50.83	56.6	72.57	13	14	16	86.82
60	sol1 = 45.79 sol2 = 14.27	sol1 = 74.21 sol2 = 105.79	9	sol1 = 7.45 sol2 = 2.55	10	sol1 = 32.26 sol2 = 11.04
49.87	105	25.13	18	22.74	10	86.93
120	41	19	13.3	10.08	5	21.81
18.57	39.57	121.86	3	6	8	7.64
5.31	164.69	10	8	22.81	15	15.85