

## Solutions for GeoWorkSheet No. 77

Solutions sheet No. 77			Cosine Ratio - Find a Side 1					
Working								
No.	Opp	Adj	Hyp	Angle	Equation	Calculator	1 Dec. Place	Solution
1		$a$	8	44	$a = 8\cos 44$	5.7547184	5.8	$a = 5.8$
2		$b$	20	39	$b = 20\cos 39$	15.542919	15.5	$b = 15.5$
3		$c$	40	50	$c = 40\cos 50$	25.711504	25.7	$c = 25.7$
4		$d$	5	37	$d = 5\cos 37$	3.9931776	4	$d = 4$
5		$e$	7	60	$e = 7\cos 60$	3.5	3.5	$e = 3.5$
6		$f$	45	48	$f = 45\cos 48$	30.110877	30.1	$f = 30.1$
7		$g$	65	41	$g = 65\cos 41$	49.056123	49.1	$g = 49.1$
8		$h$	75	21	$h = 75\cos 21$	70.018532	70	$h = 70$
9		$i$	32	43	$i = 32\cos 43$	23.403318	23.4	$i = 23.4$
10		$j$	29	28	$j = 29\cos 28$	25.60548	25.6	$j = 25.6$
11		$k$	10	70	$k = 10\cos 70$	3.4202014	3.4	$k = 3.4$
12		$l$	39	35	$l = 39\cos 35$	31.94693	31.9	$l = 31.9$
13		$m$	145	48	$m = 145\cos 48$	97.023938	97	$m = 97$
14		$n$	250	62	$n = 250\cos 62$	117.36789	117.4	$n = 117.4$
15		$p$	125	75	$p = 125\cos 75$	32.352381	32.4	$p = 32.4$
16		$q$	5.1	68	$q = 5.1\cos 68$	1.9104936	1.9	$q = 1.9$
17		$r$	2.6	80	$r = 2.6\cos 80$	0.4514853	0.5	$r = 0.5$
18		$s$	3.08	47	$s = 3.08\cos 47$	2.1005549	2.1	$s = 2.1$
19		$t$	4.2	55	$t = 4.2\cos 55$	2.409021	2.4	$t = 2.4$
20		$u$	0.7	56	$u = 0.7\cos 56$	0.391435	0.4	$u = 0.4$