

Solutions for GeoWorkSheet No. 78

Solutions sheet No. 78				Tangent Ratio - Find a Side 1				
Working								
No.	Opp	Adj	Hyp	Angle	Equation	Calculator	1 Dec. Place	Solution
1	a	10		35	$a = 10\tan 35$	7.0020754	7	$a = 7$
2	b	25		40	$b = 25\tan 40$	20.977491	21	$b = 21$
3	c	40		38	$c = 40\tan 38$	31.251425	31.3	$c = 31.3$
4	d	80		41	$d = 80\tan 41$	69.542939	69.5	$d = 69.5$
5	e	75		38	$e = 75\tan 38$	58.596422	58.6	$e = 58.6$
6	f	125		37	$f = 125\tan 37$	94.194256	94.2	$f = 94.2$
7	g	65		55	$g = 65\tan 55$	92.82962	92.8	$g = 92.8$
8	h	85		43	$h = 85\tan 43$	79.263782	79.3	$h = 79.3$
9	i	7		65	$i = 7\tan 65$	15.011548	15	$i = 15$
10	j	12		26	$j = 12\tan 26$	5.8527911	5.9	$j = 5.9$
11	k	125		28	$k = 125\tan 28$	66.463679	66.5	$k = 66.5$
12	l	225		36	$l = 225\tan 36$	163.47207	163.5	$l = 163.5$
13	m	17		47	$m = 17\tan 47$	18.230268	18.2	$m = 18.2$
14	n	3.8		25	$n = 3.8\tan 25$	1.7719691	1.8	$n = 1.8$
15	p	4.6		44	$p = 4.6\tan 44$	4.4421684	4.4	$p = 4.4$
16	q	3.2		59	$q = 3.2\tan 59$	5.3256943	5.3	$q = 5.3$
17	r	12.6		27	$r = 12.6\tan 27$	6.4200207	6.4	$r = 6.4$
18	s	5.8		52	$s = 5.8\tan 52$	7.4236615	7.4	$s = 7.4$
19	t	0.82		56	$t = 0.82\tan 56$	1.2157	1.2	$t = 1.2$
20	u	2.71		32	$u = 2.71\tan 32$	1.6933959	1.7	$u = 1.7$