

## Solutions for GeoWorkSheet No. 98

Solutions sheet No. 98				Reciprocal Sine Ratio - Find an Side 1				
Working using $\sin A = \frac{O}{H}$ or $H = \frac{O}{\sin A}$								
No.	Opp	Adj	Hyp	Angle	Equation	Calulator	Rounded	Solution
1	12		<i>a</i>	32°	$a = 12/\sin 32^\circ$	22.644959	22.6	$a = 22.6$
2	80		<i>b</i>	38°	$b = 80/\sin 38^\circ$	129.94154	129.9	$b = 129.9$
3	18		<i>c</i>	36°	$c = 18/\sin 36^\circ$	30.623429	30.6	$c = 30.6$
4	47		<i>d</i>	47°	$d = 47/\sin 47^\circ$	64.264391	64.3	$d = 64.3$
5	30		<i>e</i>	41°	$e = 30/\sin 41^\circ$	45.727593	45.7	$e = 45.7$
6	250		<i>f</i>	38°	$f = 250/\sin 38^\circ$	406.06731	406.1	$f = 406.1$
7	4.5		<i>g</i>	26°	$g = 4.5/\sin 26^\circ$	10.265274	10.3	$g = 10.3$
8	8.2		<i>h</i>	64°	$h = 8.2/\sin 64^\circ$	9.1233359	9.1	$h = 9.1$
9	11		<i>i</i>	21°	$i = 11/\sin 21^\circ$	30.694709	30.7	$i = 30.7$
10	3.2		<i>j</i>	65°	$j = 3.2/\sin 65^\circ$	3.5308093	3.5	$j = 3.5$
11	225		<i>k</i>	56°	$k = 225/\sin 56^\circ$	271.39904	271.4	$k = 271.4$
12	90		<i>l</i>	43°	$l = 90/\sin 43^\circ$	131.96513	132	$l = 132$
13	45		<i>m</i>	37°	$m = 45/\sin 37^\circ$	74.773806	74.8	$m = 74.8$
14	65		<i>n</i>	43°	$n = 65/\sin 43^\circ$	95.308147	95.3	$n = 95.3$
15	7.25		<i>p</i>	74°	$p = 7.25/\sin 74^\circ$	7.5421709	7.5	$p = 7.5$
16	16.7		<i>q</i>	72°	$q = 16.7/\sin 72^\circ$	17.559419	17.6	$q = 17.6$
17	26		<i>r</i>	68°	$r = 26/\sin 68^\circ$	28.041903	28	$r = 28$
18	50		<i>s</i>	66°	$s = 50/\sin 66^\circ$	54.731814	54.7	$s = 54.7$
19	300		<i>t</i>	58°	$t = 300/\sin 58^\circ$	353.75352	353.8	$t = 353.8$
20	11.5		<i>u</i>	53°	$u = 11.5/\sin 53^\circ$	14.39956	14.4	$u = 14.4$