Solutions sheet No. 90					**Mixed Trig Ratio - Find an Side 3**				
Working using $\sin A = \frac{O}{H}$ or $\cos A = \frac{A}{H}$ or $\tan A = \frac{O}{A}$									
No.	**Opp**	**Adj**	**Hyp**	**A**	**Side**	**Equation**	**Calculator**	**Rounded**	**Solution**
1		25		43°	*a*	$a = 25 \times \tan 43°$	23.312877	23.3	$a = 23.3$
2			150	67°	*b*	$b = 150 \times \sin 67°$	138.07573	138.1	$b = 138.1$
3		50		43°	*c*	$c = 50 \times \tan 43°$	46.625754	46.6	$c = 46.6$
4			90	48°	*d*	$d = 90 \times \cos 48°$	60.221755	60.2	$d = 60.2$
5			165	32°	*e*	$e = 165 \times \cos 32°$	139.92794	139.9	$e = 139.9$
6			18	20°	*f*	$f = 18 \times \cos 20°$	16.914467	16.9	$f = 16.9$
7			68	40°	*g*	$g = 68 \times \sin 40°$	43.709557	43.7	$g = 43.7$
8			140	48°	*h*	$h = 140 \times \sin 48°$	104.04028	104	$h = 104$
9			72	59°	*i*	$i = 72 \times \cos 59°$	37.082741	37.1	$i = 37.1$
10			7.5	22°	*j*	$j = 7.5 \times \cos 22°$	6.9538789	7	$j = 7$
11			185	42°	*k*	$k = 185 \times \sin 42°$	123.78916	123.8	$k = 123.8$
12			40	43°	*l*	$l = 40 \times \sin 43°$	27.279934	27.3	$l = 27.3$
13			215	63°	*m*	$m = 215 \times \cos 63°$	97.607957	97.6	$m = 97.6$
14			160	71°	*n*	$n = 160 \times \sin 71°$	151.28297	151.3	$n = 151.3$
15			25	51°	*p*	$p = 25 \times \cos 51°$	15.73301	15.7	$p = 15.7$
16		38		64°	*q*	$q = 38 \times \tan 64°$	77.911546	77.9	$q = 77.9$
17			8	55°	*r*	$r = 8 \times \sin 55°$	6.5532164	6.6	$r = 6.6$
18			4.2	62°	*s*	$s = 4.2 \times \cos 62°$	1.9717806	2	$s = 2$
19		150		32°	*t*	$t = 150 \times \tan 32°$	93.730403	93.7	$t = 93.7$
20			8.75	75°	*u*	$u = 8.75 \times \sin 75°$	8.451851	8.5	$u = 8.5$