Solutions sheet No. 92					**Mixed Trig Ratio - Find an Side 2 (Degrees & Minutes)**				
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		40		40°50'	*a*	*a* = 40×tan40°50'	34.567704	34.6	*a* = 34.6
2			350	68°32'	*b*	*b* = 350×sin68°32'	325.72072	325.7	*b* = 325.7
3		50		41°36'	*c*	*c* = 50×tan41°36'	44.392077	44.4	*c* = 44.4
4			60	48°27'	*d*	*d* = 60×cos48°27'	39.796403	39.8	*d* = 39.8
5			87	26°44'	*e*	*e* = 87×cos26°44'	77.700556	77.7	*e* = 77.7
6			12.5	20°49'	*f*	*f* = 12.5×cos20°49'	11.684029	11.7	*f* = 11.7
7			26	38°52'	*g*	*g* = 26×sin38°52'	16.315265	16.3	*g* = 16.3
8			80	48°14'	*h*	*h* = 80×sin48°14'	59.669092	59.7	*h* = 59.7
9			75	58°46'	*i*	*i* = 75×cos58°46'	38.889341	38.9	*i* = 38.9
10			1750	22°47'	*j*	*j* = 1750×cos22°47'	1613.4577	1613.5	*j* = 1613.5
11			18.2	38°3'	*k*	*k* = 18.2×sin38°3'	11.21755	11.2	*k* = 11.2
12			3750	42°41'	*l*	*l* = 3750×sin42°41'	2542.297	2542.3	*l* = 2542.3
13			265	64°19'	*m*	*m* = 265×cos64°19'	114.85019	114.9	*m* = 114.9
14			17	73°36'	*n*	*n* = 17×sin73°36'	16.308338	16.3	*n* = 16.3
15			1	49°52'	*p*	*p* = 1×cos49°52'	0.6445685	0.6	*p* = 0.6
16		300		71°54'	*q*	*q* = 300×tan71°54'	917.85115	917.9	*q* = 917.9
17			35	60°38'	*r*	*r* = 35×sin60°38'	30.502474	30.5	*r* = 30.5
18			475	64°24'	*s*	*s* = 475×cos64°24'	205.24073	205.2	*s* = 205.2
19		150		33°20'	*t*	*t* = 150×tan33°20'	98.656552	98.7	*t* = 98.7
20			850	73°11'	*u*	*u* = 850×sin73°11'	813.65007	813.7	*u* = 813.7