Solutions sheet No. 80				**Cosine Ratio - Find an Angle 1**				
Working								
No.	**Opp**	**Adj**	**Hyp**	**Angle**	**Equation**	**Calculator**	**Nearest °**	**Solution**
1		*7*	9	*a*	$a = \cos^{-1}(7/9)$	38.942441	39	$a = 39$
2		*13*	25	*b*	$b = \cos^{-1}(13/25)$	58.667749	59	$b = 59$
3		*41*	50	*c*	$c = \cos^{-1}(41/50)$	34.915206	35	$c = 35$
4		*4*	6	*d*	$d = \cos^{-1}(4/6)$	48.189685	48	$d = 48$
5		*4*	8	*e*	$e = \cos^{-1}(4/8)$	60	60	$e = 60$
6		*36*	48	*f*	$f = \cos^{-1}(36/48)$	41.409622	41	$f = 41$
7		*48*	64	*g*	$g = \cos^{-1}(48/64)$	41.409622	41	$g = 41$
8		*60*	72	*h*	$h = \cos^{-1}(60/72)$	33.55731	34	$h = 34$
9		*20*	34	*i*	$i = \cos^{-1}(20/34)$	53.968121	54	$i = 54$
10		*22*	31	*j*	$j = \cos^{-1}(22/31)$	44.791325	45	$j = 45$
11		*5*	11	*k*	$k = \cos^{-1}(5/11)$	62.964308	63	$k = 63$
12		*26*	38	*l*	$l = \cos^{-1}(26/38)$	46.826449	47	$l = 47$
13		*80*	140	*m*	$m = \cos^{-1}(80/140)$	55.150095	55	$m = 55$
14		*100*	260	*n*	$n = \cos^{-1}(100/260)$	67.380135	67	$n = 67$
15		*60*	135	*p*	$p = \cos^{-1}(60/135)$	63.6122	64	$p = 64$
16		*2.5*	5.5	*q*	$q = \cos^{-1}(2.5/5.5)$	62.964308	63	$q = 63$
17		*1.2*	2.7	*r*	$r = \cos^{-1}(1.2/2.7)$	63.6122	64	$r = 64$
18		*6*	9.3	*s*	$s = \cos^{-1}(6/9.3)$	49.82223	50	$s = 50$
19		*2.8*	4.3	*t*	$t = \cos^{-1}(2.8/4.3)$	49.370671	49	$t = 49$