Solutions sheet No. 79	**Sine Ratio - Find an Angle 1**							
No.	**Working**							**Solution**
	Opp	**Adj**	**Hyp**	**Angle**	**Equation**	**Calculator**	**Nearest °**	
1	9		15	*a*	$a = \sin^{-1}(9/15)$	36.869898	37	$a = 37$
2	140		200	*b*	$b = \sin^{-1}(140/200)$	44.427004	44	$b = 44$
3	6		9	*c*	$c = \sin^{-1}(6/9)$	41.810315	42	$c = 42$
4	4		5	*d*	$d = \sin^{-1}(4/5)$	53.130102	53	$d = 53$
5	6		7	*e*	$e = \sin^{-1}(6/7)$	58.997281	59	$e = 59$
6	21		30	*f*	$f = \sin^{-1}(21/30)$	44.427004	44	$f = 44$
7	90		170	*g*	$g = \sin^{-1}(90/170)$	31.965719	32	$g = 32$
8	38		55	*h*	$h = \sin^{-1}(38/55)$	43.702114	44	$h = 44$
9	65		80	*i*	$i = \sin^{-1}(65/80)$	54.340912	54	$i = 54$
10	10		14	*j*	$j = \sin^{-1}(10/14)$	45.584691	46	$j = 46$
11	26		46	*k*	$k = \sin^{-1}(26/46)$	34.417389	34	$k = 34$
12	200		325	*l*	$l = \sin^{-1}(200/325)$	37.979872	38	$l = 38$
13	32		50	*m*	$m = \sin^{-1}(32/50)$	39.791819	40	$m = 40$
14	100		270	*n*	$n = \sin^{-1}(100/270)$	21.738461	22	$n = 22$
15	18		25	*p*	$p = \sin^{-1}(18/25)$	46.05448	46	$p = 46$
16	7.8		9.2	*q*	$q = \sin^{-1}(7.8/9.2)$	57.976004	58	$q = 58$
17	1.3		2	*r*	$r = \sin^{-1}(1.3/2)$	40.541602	41	$r = 41$
18	3.5		4.5	*s*	$s = \sin^{-1}(3.5/4.5)$	51.057559	51	$s = 51$
19	4		4.8	*t*	$t = \sin^{-1}(4/4.8)$	56.44269	56	$t = 56$
20	760		1000	*u*	$u = \sin^{-1}(760/1000)$	49.464198	49	$u = 49$