



Find the value of $\sin 62^\circ 10'$

1. **From Table of Natural Sines**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
62	0.8829	0.8838	0.8846	0.8854	0.8862	0.8870	0.8878	0.8886	0.8894	0.8902	1	3	4	5	7

- (i) 0.884 (ii) 0.8846 (iii) 0.8839 (iv) 0.8843 (v) 0.8847

Find the value of $\cos 39^\circ 44'$

2. **From Table of Natural Cosines**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
39	0.7771	0.7760	0.7749	0.7738	0.7727	0.7216	0.7705	0.7694	0.7683	0.7672	2	4	6	7	9

- (i) 0.7694 (ii) 0.7687 (iii) 0.7693 (iv) 0.769 (v) 0.7686

Find the value of $\tan 56^\circ 20'$

3. **From Table of Natural Tangents**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
56	1.4826	1.4882	1.4938	1.4994	1.5051	1.5108	1.5166	1.5224	1.5282	1.5340	10	19	29	38	48

- (i) 1.5009 (ii) 1.501 (iii) 1.5013 (iv) 1.5017 (v) 1.5016

Find angle θ such that $\sin \theta = 0.6747$

4. **From Table of Natural Sines**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
42	0.6691	0.6704	0.6717	0.6730	0.6743	0.6756	0.6769	0.6782	0.6794	0.6807	2	4	6	9	11

- (i) $42^\circ 26'$ (ii) $42^\circ 36'$ (iii) $42^\circ 16'$ (iv) $42^\circ 31'$ (v) $42^\circ 21'$

Find angle θ such that $\cos \theta = 0.7365$

5. **From Table of Natural Cosines**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
42	0.7431	0.7420	0.7408	0.7396	0.7385	0.7373	0.7361	0.7349	0.7337	0.7325	2	4	6	8	10

- (i) $42^\circ 24'$ (ii) $42^\circ 39'$ (iii) $42^\circ 44'$ (iv) $42^\circ 29'$ (v) $42^\circ 34'$

Find angle θ such that $\tan \theta = 0.525$

6. **From Table of Natural Tangents**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
27	0.5095	0.5117	0.5139	0.5161	0.5184	0.5206	0.5228	0.5250	0.5272	0.5295	4	7	11	15	18

- (i) $27^\circ 52'$ (ii) $27^\circ 37'$ (iii) $27^\circ 47'$ (iv) $27^\circ 42'$ (v) $27^\circ 32'$

Find the value of $\sin 24^\circ 25'$

7. **From Table of Natural Sines**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
24	0.4067	0.4083	0.4099	0.4115	0.4131	0.4147	0.4163	0.4179	0.4195	0.4210	3	5	8	11	13

- (i) 0.4137 (ii) 0.413 (iii) 0.4138 (iv) 0.4131 (v) 0.4134

Find the value of $\cos 48^\circ 27'$

8. **From Table of Natural Cosines**

x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
48	0.6691	0.6678	0.6665	0.6652	0.6639	0.6626	0.6613	0.6600	0.6587	0.6574	2	4	7	9	11

- (i) 0.6636 (ii) 0.6629 (iii) 0.6632 (iv) 0.6628 (v) 0.6635

Find the value of $\tan 10^\circ 25'$

9.

From Table of Natural Tangents															
x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
10	0.1763	0.1781	0.1799	0.1817	0.1835	0.1853	0.1871	0.1890	0.1908	0.1926	3	6	9	12	15

(i) 0.1834 (ii) 0.1841 (iii) 0.1835 (iv) 0.1838 (v) 0.1842

Find angle θ such that $\sin \theta = 0.4334$

10.

From Table of Natural Sines															
x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
25	0.4226	0.4242	0.4258	0.4274	0.4289	0.4305	0.4321	0.4337	0.4352	0.4368	3	5	8	11	13

(i) $25^\circ 46'$ (ii) $25^\circ 41'$ (iii) $25^\circ 36'$ (iv) $25^\circ 31'$ (v) $25^\circ 51'$

Find angle θ such that $\cos \theta = 0.4126$

11.

From Table of Natural Cosines															
x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
65	0.4226	0.4210	0.4195	0.4179	0.4163	0.4147	0.4131	0.4115	0.4099	0.4083	3	5	8	11	13

(i) $65^\circ 28'$ (ii) $65^\circ 48'$ (iii) $65^\circ 38'$ (iv) $65^\circ 33'$ (v) $65^\circ 43'$

Find angle θ such that $\tan \theta = 0.8521$

12.

From Table of Natural Tangents															
x°	0'	6'	12'	18'	24'	30'	36'	42'	48'	54'	1'	2'	3'	4'	5'
40	0.8391	0.8421	0.8451	0.8481	0.8511	0.8541	0.8571	0.8601	0.8632	0.8662	5	10	15	20	25

(i) $40^\circ 16'$ (ii) $40^\circ 26'$ (iii) $40^\circ 31'$ (iv) $40^\circ 21'$ (v) $40^\circ 36'$

Assignment Key

1) (iv)	2) (iv)	3) (iii)	4) (i)	5) (v)	6) (iv)
7) (v)	8) (iii)	9) (iv)	10) (ii)	11) (iii)	12) (ii)