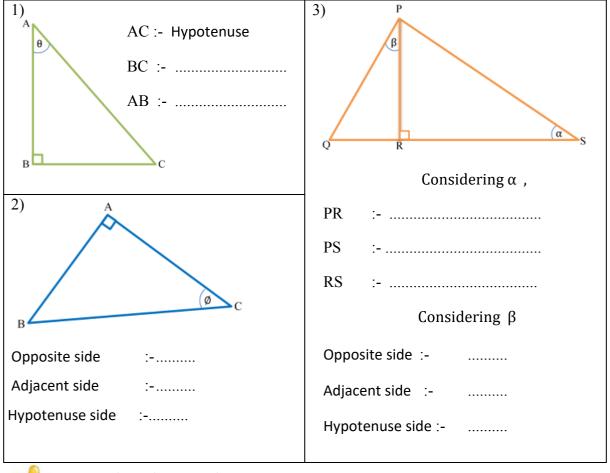


W Name the sides according to the given angle



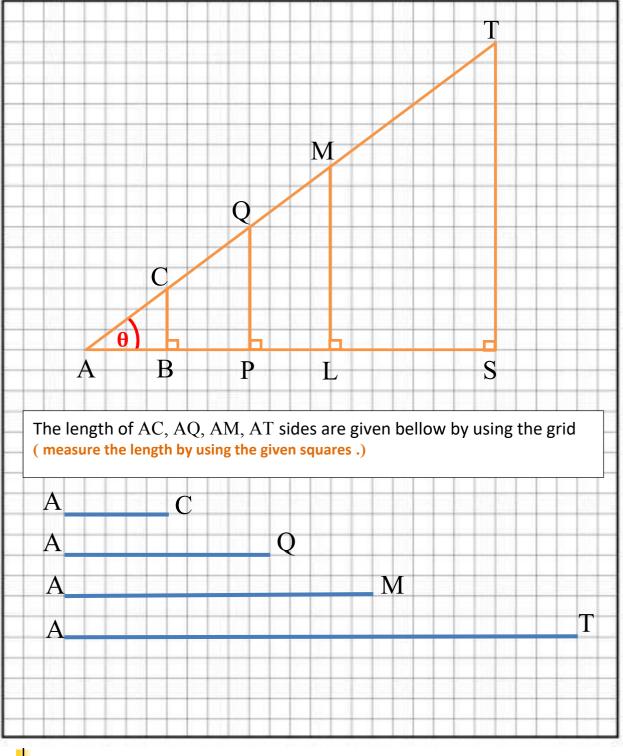
Complete the exercise 18. 1 .

00

(Grade 11 maths text book part -III - pg : 13)

Investigate the relationship between two sides of a right-angled triangle and an angle of the triangle.

Engage in the following activity, using the lengths of the sides of the triangles.



 $\mathbf{4}$ Complete the table given below by considering the angle $\mathbf{0}$

Right angled triangle	Length of the Opposite side (no of squares)	Length of the Adjacent side (no of squares)	Length of the hypotenuse (no of squares)	Opposite hypotenuse	Adjacent hypotenuse	Opposite Adjacent
ABC		4	5		$\frac{4}{5} = 0.8$	
APQ						
ALM						
AST						

After completing the above table you will comprehend the relationship between the considered angle and the sides of the triangle.

Although the lengths of the sides of the triangle are different considering the angle θ ;

Length of opposite sideLength of hypotenuse= constant.

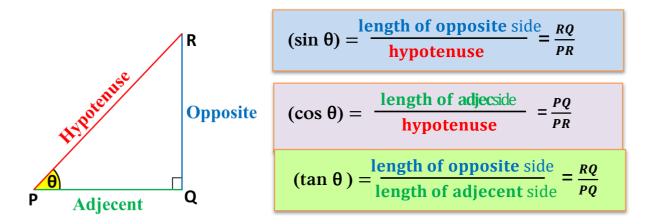
This Constant is called the sine ratio of θ . ("sin θ ")

 $\frac{Length of adjacent side}{Length of hypotenuse} = constant.$

This Constant is called the cosine ratio of θ . ("cos θ ")

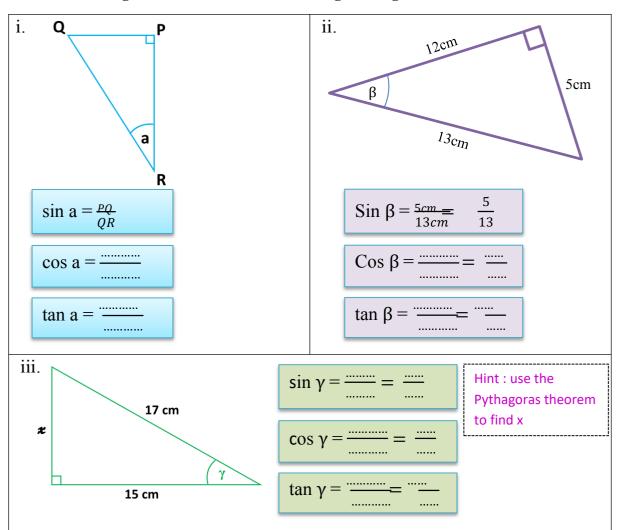
Length of opposite side Length of adjacent side = constant.

This Constant *is called* the tanjent ratio of θ ("tan θ ")

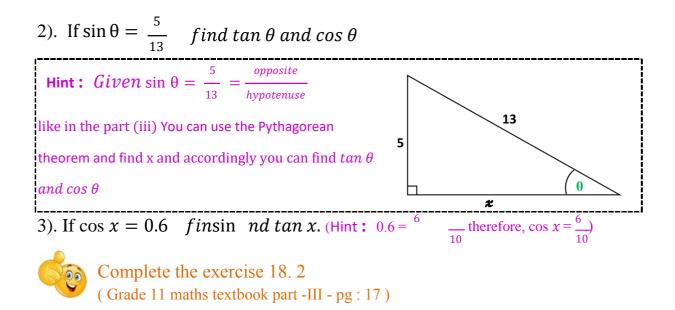


3





1) Write the trigonometric ratios (in terms of given angle.)



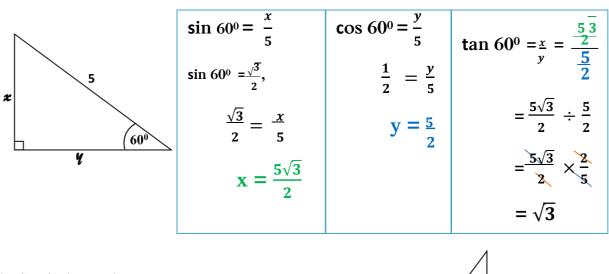
✤ The constant of the ratio of sin, cos and tan for each angle are different.



	30°	45°	60°
sin	$\frac{1}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{\sqrt{3}}{2}$
cos	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$
tan	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$



- 1). i) Find x and y (Indicate the answer in surds when required.)
 - ii) Show that $\tan 60^{\circ} = \sqrt{3}$.

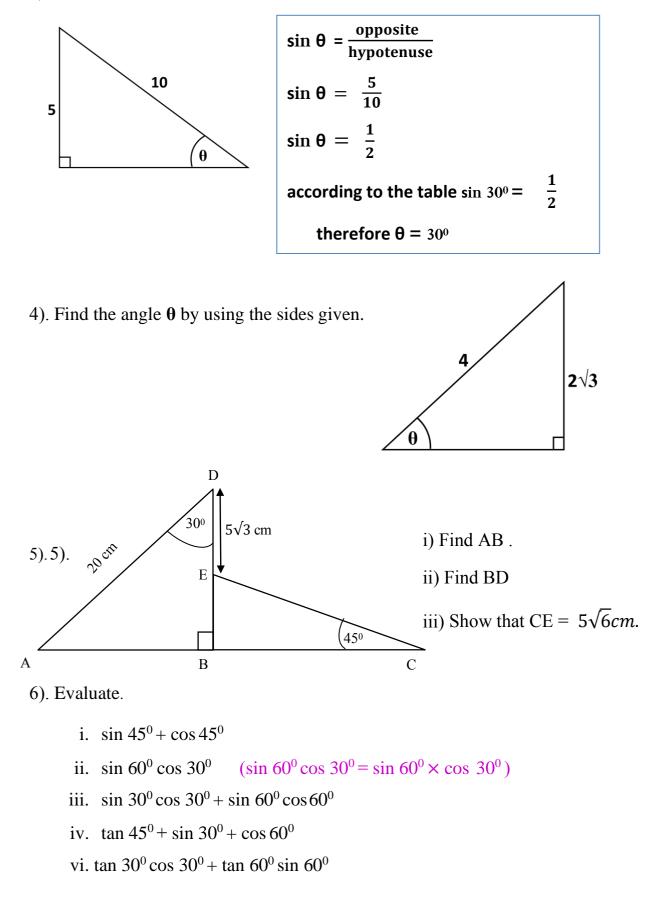


2). i) Find x and y (Indicate the answer in surds when required.) ii) Show that $\tan 30^0 = \frac{1}{\sqrt{3}}$

Y

8

3). Find the angle **\theta** by using the sides given



Trigonometry

7). Verify that $\sin 60^{\circ} \tan 30^{\circ} = \sin 30^{\circ}$

- If the above statement is true, the left hand side should be equal to right hand side (L.H.S. = R.H.S.)
- Therefore, when we verify a statement like above, simplify the L.H.S. and R.H.S. separately and state whether L.H.S. = R.H.S

Considering the statement given,

- L.H.S. = sin 60° × tan 30° $= \frac{\sqrt{3}}{2} \times \frac{1}{\sqrt{3}}$ $= \frac{1}{2}$ $= \frac{1}{2}$ Therefore L.H.S = R.H.S
- 8). Verify the following statements.
 - i. $\frac{\sin 30^{\circ}}{\cos 30^{\circ}} = \tan 30^{\circ}$
 - ii. $\sin 45^{\circ} \cos 45^{\circ} = \sin 30^{\circ}$
 - iii. $\cos 30^{\circ} \tan 30^{\circ} = \sin 45^{\circ} \cos 45^{\circ} + \tan 45^{\circ}$
 - $\tan 60^{0} \tan 30^{0}$
 - iv. $\tan 30^{\circ} = \frac{1}{1 + \tan 60^{\circ} \tan 30^{\circ}}$
 - v. $\sin 60^\circ = 2 \sin 30^\circ. \cos 30^\circ$

Complete the exercise 18. 3 (Grade 11 maths text book part -III - pg : 21)



"Degree" is the unit that expresses the magnitude of angles.

➤ A degree is further subdivided into equal parts called "minutes".

Therefore, 1 Degree = 60 minutes

 $1^0 = 60^{1/2}$

- > 30⁰ 35' read as 30 degrees and 35 minutes.
- \blacktriangleright Likewise 40° can be expressed as 39° 60′

 $40^{\circ} = 39^{\circ} 60^{\circ}$

- > The trigonometric ratios for all the angles between 0° to 90° are tabulated.
- They are known as trigonometric tables. Will Identify how we can use it. (The tables are given in gr 11 -part III from Pg. 148 – 151.)

Find the sin ratio of a given angle using a trigonometric table.

> The following examples shows how to use the natural Sin table.

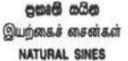
1. Get the value of sin 13° (Let $13^{\circ} = 13^{\circ}0'$)

ஜ**யால் மலே** இயற்கைச் சைன்கள் NATURAL SINES

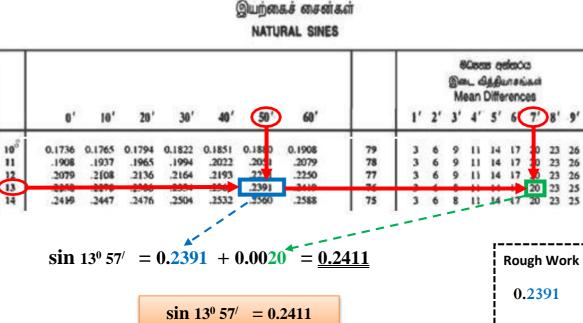
											60	Küssi N., di ean l	4.00	utan	ind.		
	ľ	10'	20 '	30'	40'	50'	60'		1'	2'	3'	4'	5'	6'	7'	8'	9'
108	0.1736	0.1765	0.1794	0.1822	0.1851	0.1880	0.1908	79	3	6	9	ñ	14	17	20	23	26
11	.1908	.1937	.1965	.1994	.2022	.2051	.2079	78	3	6	9	11	14	17	20	23	26
12	.20.	.2108	.2136	.2164	.2193	.2221	.2250	77	3	6	9	11	14	17	20	23	26
13	.2250	.2278	.2306	.2334	.2363	.2391	.2419	76	3	6	8	11	14	17	20	23	25
14	.2419	.3447	.2476	.2504	.2532	.2560	.2588	75	3	6	8	11	14	17	20	23	25
				s	in 13 ⁶	= si	n 13º 0/	= 0.22	50								

2. Get sin 13° 50′.

											00	Kasa N_ di ean l	10.00	nan			
	0'	10'	20 '	30'	40'	<u>(</u>	60'		1'	2'	3'	4'	5'	6'	7'	8'	9'
8	0.1736	0.1765	0.1794	0.1822	0.1851	0.18 0	0.1908	79	3	6	9	n	14	17	20	23	26
	.1908	.1937	.1965	.1994	.2022	.20 1	.2079	78	3	6	9	11	14	17	20	23	26
5	.2079	.2108	.2136	.2164	.2193	22 4	.2250	77	3	6	9	11	14	17	20	23	26
	22/0		-2706	.2001		.2391	.2419	76	3	6	8	11	14	17	20	23	25
	.2419	.2447	.2476	.2504	.2532	.2560	.2588	75	3	6	8	11	14	17	20	23	25



3. Get sin 13^o 57[/].



සකෘති යයින இயற்கைச் சைன்கள்

+0.0020

0.2411 ____



1. If $\sin x = 0.7716$ find x. (follow the steps given in Red.)

											9	මධපතය කட බෝ lean D	Duns	Magina	r	
	0'	10'	20 '	30'	40'	50'	60 '		1'	2'	3'	4' 5	6'	7'	8'	9'
50	0.7071	0.7092	0.7112	0.71 3	0.71 53	0.7173	0.7193	44'	2	4	6	8 1	12	14	16	18
	.7193	.7214	.7234	.72 4	.72 14	.7294	.7314	43	2	4	6	8 1	12	14	16	18
	.7314	.7333	.7353	.73 3	.73 02	.7412	.7431	42	2	4	6	8 1	12	14	16	18
	.7431	.7451	.7470	.74 0	.75 09	.7528	.7547	41	2	4	6	8)	12	13	15	17
	.7547	.7566	.7585	.76 14	.76 23	.7642	.7660	40'	2	4	6	8	11	13		17
)	0.7000	0.7079	0.7070	0.7716	0.7735	0.7753	0.7771	39	2	4	6	7) II	13	15	17
	.7771	.7790	.7808	.7826	.78 14	.7862	.7880	38	2	4	5	7	ii.	13	14	16
	.7880	.7898	.7916	.7934	.79 51	.7969	.7986	37	2	4	5	7	11	12	14	16
	.7986	.8004	.8021	.8039	.80 56	.8073	.8090	36	2	3	5	7	10	12	14	16
	.8090	.8107	.8124	8141	.81 58	.8175	.8192	35	2	3	5	7	: 10	12	14	15
	0.8192	0.8208	0.8225	0.8241	0.82 58	0.8274	0.8290	34	2	3	5	7	10	12	13	15
H	.0	.0007			.8355		.0007	- 55	1	5	3		8 tO	11	13	14
	.8387	.8403	.8418	.8434	.8450	.8465	.8480	32	2	3	5	6 3	89	ł1	13	14
	.8480	.8496	.8511	.8526	.8542	.8557	.8572	31	2	3	5	6 1	89	11	12	14
	.8572	.8587	.8601	.8616	.8631	.8646	.8660	30	1	3	4	6	79	10	12	13

குலுக் கசே இயற்கைச் சைன்கள்

2. If $\sin y = 0.8363$, consider the way of finding y.

(Follow the steps given in Blue)

- **0.8363** value is not available at once.
- Then we have to consider the lowest and as well as nearest value for 0.8363. It is 0.8355 Find the location of 0.8355.

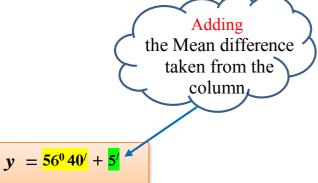
 $y = 56^{\circ} 45'$

- So the relevant angle is $56^{\circ} 40'$.
- Now subtract 0.8355 from 0.8363.
- It is (0.8363 0.8355) = 0.0008.
- Now 8 is called the mean difference.

If $\sin y = 0.8363$,

• The angle which it belongs is 5/.

Therefore,



3. If sin **p** = 0.7064 , consider the way of finding y.

					9	NATUR	RAL SINES										
											ଭ୍ରିଣ	n∟ d	1500	denco un seise rence	a,ci		
	0'	10 '	20 '	30′	40′	50'	60'		-1'	2'	3'	4'	5'	6'	7' 8	1 .9	ŕ
41	.6561	.6583	.6604	.6626	.6648	.66 0	.6691	48	2	4	7	9	11	13	i i	72	0
42	.6691	.6713	.6734	.6756	.6777	.67 <mark>9</mark>	.6820	47	2	4	6	9	п	13	15 1	7 1	9
43	.6820	.6841	.6862	.6848	.6905	.69 6	.6947	46	2	4	6	8	11	13	15 1	7 1	9
43	3047		.6900	.7000	.7030	.7050	.7071	45	-	4	ú	ò		1	15 1	7 1	9

ஐலாக் கவே இயற்கைச் சைன்கள் NATURAL SINES

- 0.7064 value is not available at once.
- Then we have to consider the lowest and as well as nearest value for 0.7064. It is 0.7050 Find the location of 0.7050.
- So the relevant angle is 44° 50′.
- Now subtract 0.7064 from 0.7050.
- It is (0.7064 0.7050) = 0.0014.
- Now 14 is called the mean difference.
- But 14 is not in the Mean difference table. Then we consider the nearest value it is 15.
- The angle which it belongs is 7.
- Therefore,

If
$$\sin p = 0.7064$$
, $p = 44^{\circ} 50' + 7'$
 $p = 44^{\circ} 57'$

V

Complete the exercise.

i). $\sin \theta = 0.3497$

- 1). Find each of the following values using trigonometric tables
 - i). $\sin 49^{\circ}$ ii). $\sin 72^{\circ} 20^{\prime}$ iii). $\sin 67^{\circ} 34^{\prime}$
- 2). Find the angle θ corresponding to each trigonometric ratio.

Answers					
54° 50'	.(iii	42∘39,	.(ii	53°	.(i (2
0.9243	.(III	0.9528	.(II	747.0	.(i (1

ii). $\sin \theta = 0.6765$

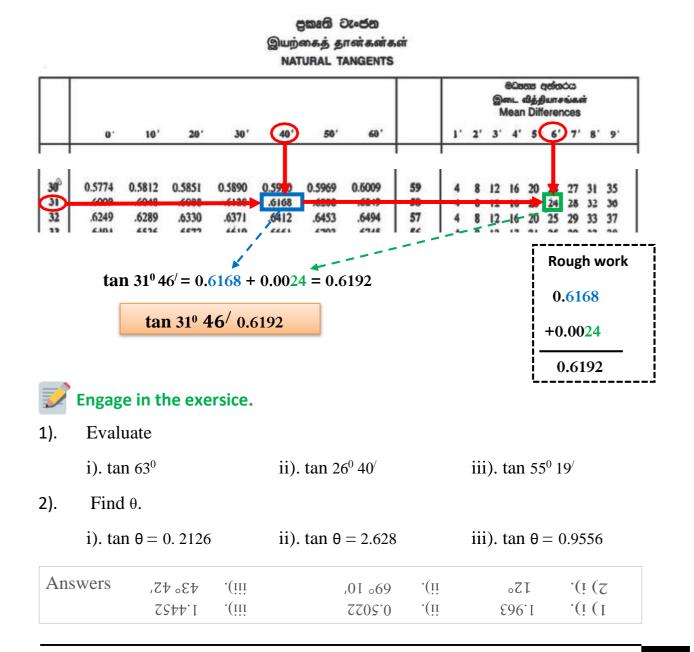
iii). $\sin \theta = 0.4200$



- The natural tangent table should be used when it is necessary to find the tangent of a given angle and the angle corresponding to the tangent.
- > The methodology used to find sine ratios can be followed

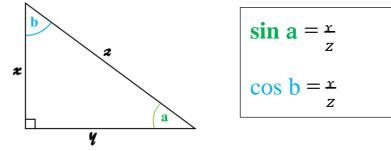
Study the example given below.

Get tan 31º 46/





Consider the right-angled triangle below.



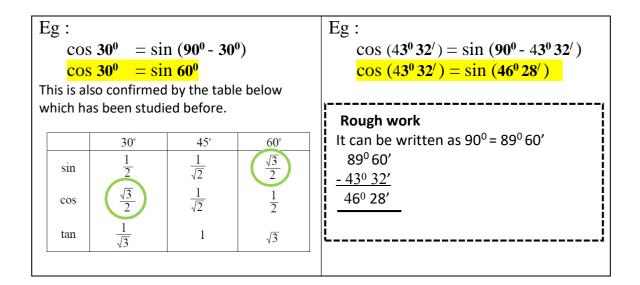
- > Accordingly $\sin a = \cos b$.
- > Since the sum of the three interior angles of a triangle is 180° ,

 $a + b + 90^{\circ} = 180^{\circ}$

 $a + b = 180^{\circ}$

 $a = 90^{\circ} - b$

> Therefore $\cos b = \sin (90^{\circ}-b)$



➢ Accordingly if you need the value of cos (43° 32′). you can find the value of sin (46° 28′) It is equal to the cos (43° 32′).



- > It is known that $\cos \theta = \sin (90^{\circ} \theta)$ Therefore, you can use the Sin table instead of cosine table.
- The columns shown in blue in the natural sine table below are used to find sin ratios.
- ➤ And the things in yellow used to deal with Cosines.

												9	ତିଯ୍ୟ ଲ_ (lean	03£		ங்கள்	ł	
	0'	10'	20 '	30′	40'	50'	60 '			1'	2'	3'	4'	5'	6'	1'	8'	9'
45 ⁰⁰	0.7071	0.7092	0.7112	0.7133	0.7153	0.7173	0.7193	44		2	4	6	8	10	12	14	16	18
46	.7193	.7214	.7234	.7254	.72 14	.7294	.7314	43		2	4	6	8	10	12	14	16	18
47	.7314	.7333	.7353	.7373	.73 /2	.7412	.7431	42		2	4	6	8	10	12	14	16	18
48	.7131	.7461	1170	7400	.7509			41		2	4	6	8	10	12	13	15	17
49	.7547	.7566	.7585	.7604	.7623	.7642	.7660	40		2	4	6	8	9	н	13	15	17
50 [©]	0.7660	0.7679	0.7698	0.7716	0.7135	0.7753	0.7771	39		2	4	6	7	9	11	13	15	17
51	.7771	.7790	.7808	.7826	.78 44	.7862	.7880	38	l.	2	4	5	7	9	11	13	14	16
52	.7880	.7898	.7916	.7934	.75 <mark>5</mark> 1	.7969	.7986	37	8	2	4	5	7	9	11	12	14	16
53	.7986	.8004	.8021	.8039	.8 <mark>6</mark> 56	.8073	.8090	36	1	2	3	5	7	9	10	12	14	16
54	.8090	.8107	.8124	8141	.8158	.8175	.8192	35		2	3	5	7	8	10	12	14	15
06	0.9848	0.9853	0.9858	0.9863	0.98 58	0.9872	0.9877	9		0	1	1	2	2	3	3	4	4
31	.9877	.9881	.9886	.9890	.98 4	.9899	.9903	8		0	1	1	2	2	3	3	3	4
22	.9903	.9907	.9911	.9914	.99 8	.9922	.9925	7		0	1	1	2	2	2	3	3	3
3	.9925	.9929	.9932	.9936	.99 19	.9942	.9945	6		0	1	1	I	2	2	2	3	3
14	.9945	.9948	.9951	.9954	.99 7	.9959	.9962	5		0	1	1	ī	1	2	2	2	3
15	0.9962	0.9964	0.9967	0.9969	0.99 1	0.9974	0.9976	4										
6	.9976	.9978	.9980	.9981	.99 3	.9985	.9986	3			1 -	P	1.	- 15		0.	0.8	P
17	.9986	.9988	.9989	.9990	.99 2	.9993	.9994	2				න්ත						
8	.9994	.9995	.9996	.9997	.99 17	.9998	.9998	1			වගු	02	ා කි	රීම	අප	ාවශ	ාරියි.)
89	0.9998	0.9999	0.9999	1.0000	1.00 0	1.0000	1.0000	0'										
	60'	50'	40 '	30'	(20)	10'	0'			1'	2'	3'	4'	5'	6'	7'	8'	9'

குவல் கலே இயற்கைச் சைன்கள் NATURAL SINES

ஐவூலி வை'கலை இயற்கைக் கோசைன்கள் NATURAL COSINES

Trigonometry

Rough Work 90⁰ = 89⁰ 60'

89° 60' - 41° 20' 48° 40'

Grade 11

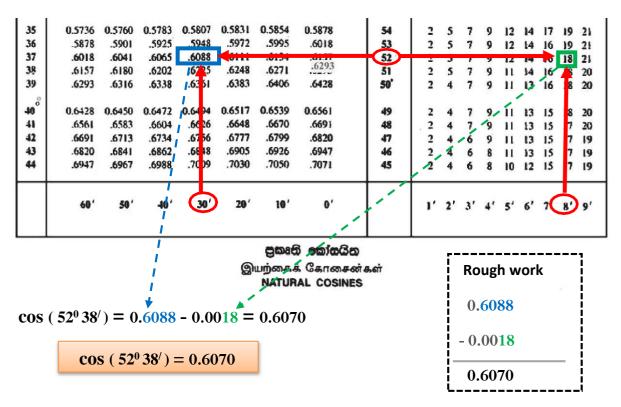
1. Get the value of cos $(41^{\circ}20')$

Method i: Using natural Sin table
$\cos (41^0 20^{/}) = \sin (90^0 - 41^0 20^{/})$
$\cos(41^0 20^{/}) = \sin(48^0 40^{/})$

(Using natural Sin table) get the value of sin (48° 40′)
 (Follow the steps given in Red)

Method ii : Using the Cosine table

- To find the cos ratio of a considered angle using only cos you have to use the yellow coloumns in the above table'.
- The value of cos (41°20 ') can be obtained as 0.7509 by the steps shown in green in the table above.



2. Find the value of \cos(52^{\circ}38')



1. If $\cos x = 0.6583$ consider the way of finding x.(follow the things in RED)

.60 8 .6041 .6065 .6088 .6111 .6134 .6157 52 2 5 9 12 14 16 18 2 .61 .61 .61 .62 .62 .6225 .6248 .6271 .6293 51 2 5 9 11 14 16 18 2 .62 .63 .6316 .6338 .6361 .6383 .6406 .6428 50' 2 4 9 11 13 16 18 2 .62 .63 .6361 .6383 .6406 .6428 50' 2 4 9 11 13 16 18 2 .64 8 0.6450 0.6472 0.6494 0.6517 0.6539 0.6561 49 2 4 9 11 13 15 18 2 .65 .6583 .6064 .6776 .6077 .6799 .6820 47 2 4 9 11 13 15 17 1 .66		60	5	40'	30′	20 '	10'	0'		1'	2	3' 4'	5'	6'	7'	8'	9
.6018 .6041 .6065 .6088 .6111 .6134 .6157 .52 2 5 9 12 14 16 18 2 .6137 .6180 .6202 .6225 .6248 .6271		.69 7	.65	7 .6988	.7009	.7030	.7050	.7071	45	2	4	8	10	12	15	17	15
.6018 .6041 .6065 .6088 .6111 .6134 .6157 .52 2 5 9 12 14 16 18 2 .6137 .6180 .6202 .6225 .6248 .6271 .6293 51 2 5 9 12 14 16 18 2 .6293 .6316 .6338 .6361 .6383 .6406 .6428 50° 2 4 9 11 13 16 18 2 0.6438 0.6450 0.6472 0.6494 0.6517 0.6539 0.6561 49 2 4 9 11 13 15 18 2 .6541 .6583 .6606 .6629 .6651 48 2 4 9 11 13 15 18 2 .6543 .66450 .6472 0.6494 0.6517 0.6539 0.6561 48 2 4 9 11 13 15 18 2 .6544 .6583 .6646 .6676 .66931		.68 0) .61 <mark>4</mark>	1 .6862	.6848	.6905	.6926	.6947	46	2	4	5 8	11	13	15	17	15
.60 18 .6041 .6065 .6088 .6111 .6134 .6157 52 2 5 9 12 14 16 18 2 .61 37 .6180 .6202 .6225 .6248 .6271 .6293 51 2 5 9 12 14 16 18 2 .62 33 .6316 .6338 .6361 .6383 .6406 .6428 50° 2 4 9 11 13 16 18 2 0.64 38 0.6450 0.6472 0.6494 0.6517 0.6539 0.6561 49 2 4 9 11 13 15 18 2		.66 1	.6'	3 .6734	.6756	.6777	.6799	.6820	47	2	4	, 9	11	13	15	17	1
.6018 .6041 .6065 .6088 .6111 .6134 .6157 52 2 5 9 12 14 16 18 2 .6137 .6180 .6202 .6225 .6248 .6271 .6293 51 2 5 9 11 14 16 18 2 .6233 .6316 .6338 .6361 .6383 .6406 .6428 50° 2 4 9 11 13 16 18 2		.65	.658	3 .000+	.0020		.0070	1071	48	. 2	4	9	11	13	15	17	2
.60 18 .6041 .6065 .6088 .6111 .6134 .6157 .52 2 5 9 12 14 16 18 2 .61 57 .6180 .6202 .6225 .6248 .6271 .6293 51 2 5 9 11 14 16 18 2 .62 33 .6316 .6383 .6361 .6383 .6406 .6428 50° 2 4 9 11 13 16 18 2	6	0.64 28	0.645	0 0.6472	0.6494	0.6517	0.6539	0.6561	49	2	4	9	-11	13	15	18	20
.60 18 .6041 .6065 .6088 .6111 .6134 .6157 52 2 5 9 12 14 16 18 2		.62)3	.631	6 .6338	.6361	.6383	.6406	.6428	50°	2	4	9	11	13	16	18	2
.6018 .6041 .6065 .6088 .6111 .6134 .6157 52 2 5 9 12 14 16 18 2		.61 57	.618	0 .6202	.6225	.6248	.6271		51	2	5	1 9	11	14	16	18	2
5878 500 501 501 501 501 501 501 501 501 501		.60 18	.604	1 .6065	.6088	.6111	.6134		52	2	5	9	12	14	16	18	2
		.5878			5040	5072	5005		53	2		7 9	12	14	16	19	2

සකෘති කෝගයින

இயற்கைக் கோசைன்கள்

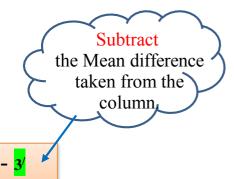
NATURAL COSINES

If $\cos x = 0.6583$, then $x = 48^{\circ} 50^{\circ}$

2. If $\cos y = 0.5885$ find the value of y (consider the things in Blue)

- 0.5885 value is not available at once.
- Then we have to consider the lowest and as well as nearest value for 0.5885. It is 0.5878 Find the location of 0.5878.
- So the relevant angle is 53° 60′.
- Now subtract 0.5878 from 0.5885.
- It is (0.5885 0.5878) = 0.0007.
- Now 0.0007 is called the mean difference.
- The angle which it belongs is 3'.
- There for

If $\cos y = 0.5885$, $y = 53^{\circ} 60' - 3'$ $y = 53^{\circ} 57$



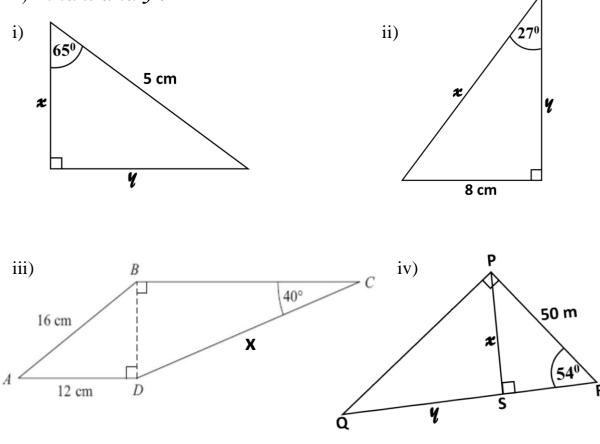
	Exercise.		
1).	Evaluate by using the	e trigonometric tables .	
	i). $\cos 62^{\circ}$	ii). cos 29 ⁰ 50 [/]	iii). cos 35º 26/
2).	Find θ.		
	i). $\cos \theta = 0.7660$	ii). $\cos \theta = 0.9100$	iii). $\cos \theta = 0.4136$
Ans	swers ,∱€ ₀S9 .(iii	ii). 24° 30'	°04 (i.(2
	, VE 039 (!!!	,0E orc (!!	00V (! (C
	iii). 0.8148	c738.0 .(ii	2694.0 .(i.(I

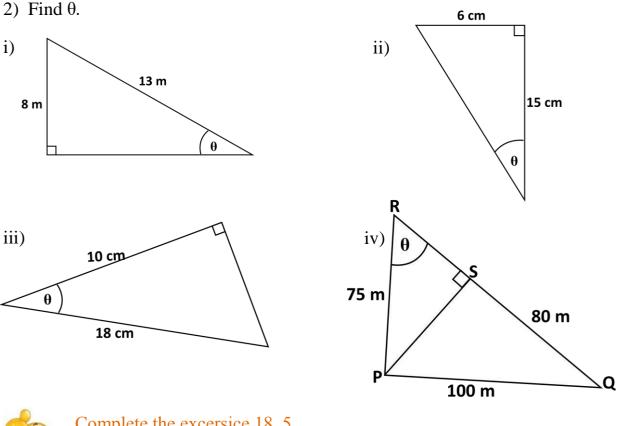


Complete the exercise 18. 4 (Grade 11 maths text book part -III - pg : 29)

Solve using the trigonometric tables.

1) Find x and y.





Complete the excersice 18. 5 (Grade 11 maths text book part -III - pg : 31- 32)



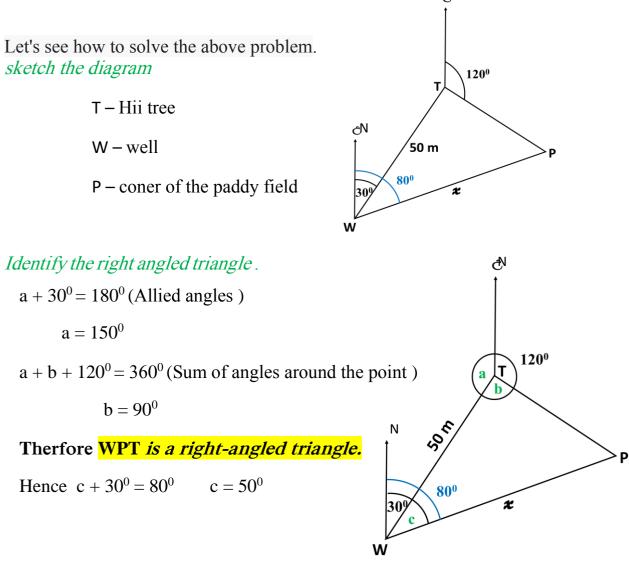
Angles in horizontal plane.

- Prior knowledge of bearings is required here.
- \blacktriangleright It shows the location of another place related to one place.
- The magnitude of the angle measured clockwise from north to the location is indicated by three digits.

> Let's solve the following problem.

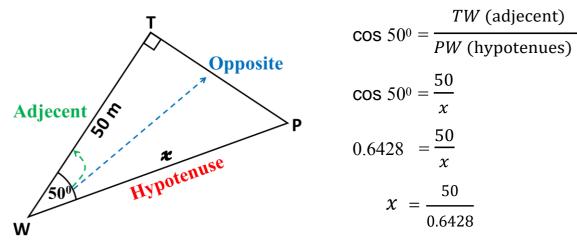
Below it is given how a paddy field,Hii tree, and a well located.The hii tree is located 50m away on a bearing of 030^o from the well. A coner of the paddy field is observerd on a bearing of 120^o by the Hii tree. The same coner of the paddy field is appeared on a bearing of 080^o from the well. i) Sketch the diagram and identify the right angled triangle.

ii) Find the least distance from the well to that coner of the paddy field using the trignometric tables. c^{N}



Consider the WPT triangle.

(It is considered x as the lenear distance from the well to the corner of the paddy field.)



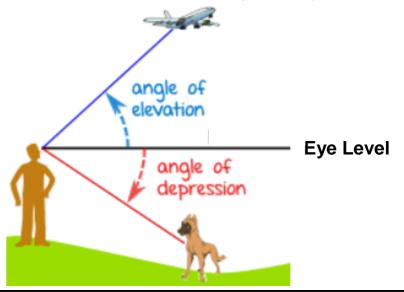
Grade 11 Trigonometry

$$x = \frac{50}{0.6428}$$

 $\lg x = \lg (\frac{50}{0.6428})$
 $= \lg 50 - \lg 0.6428$
 $= 2.6990$ -18080
 $= 1.8910$
 $x = antilog 2.8910$
 $= 77.8$
 $x = 77.8$ Complete the excersice 18. 7
 $x = 77.8$ M

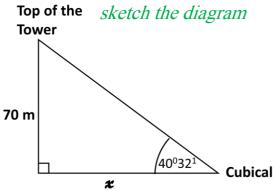


- ▶ Recall on angle of elevation and angle of depression.
- > Assume that the eye level and the ground level is parallel. Angle of elevation and angle of depression are always made with the horizontal level.
 - An angle of elevation is defined as the angle formed between the line of vision and the eye level of an observer is looking at an object above the eye level.
 - An angle of depression is defined as the angle formed between the • line of vision and the eye level (horizontal level) of an observer when the observer is looking at an object below the eye level.

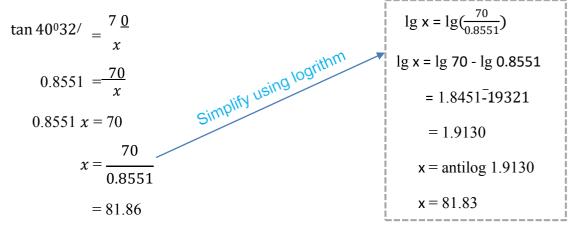


Let's see how to solve the problem below.

It is necessary to construct a cubical from the base of the tower to observe the top of a 70 m high vertical tower. The angle of elevation of the top of the tower, from the cubical should be 40° 32° By sketching the diagram we can find the distance from tha base of the tower.



We can select the tangent ratio according to the given data (opposite and the adjacent)

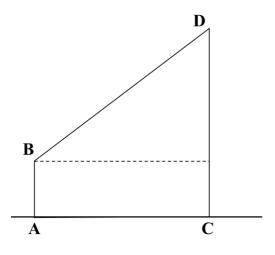


If *x* is the distance from the base of the tower to the cubical

x = 82 m (to the nearest meter)

Work on exercise.

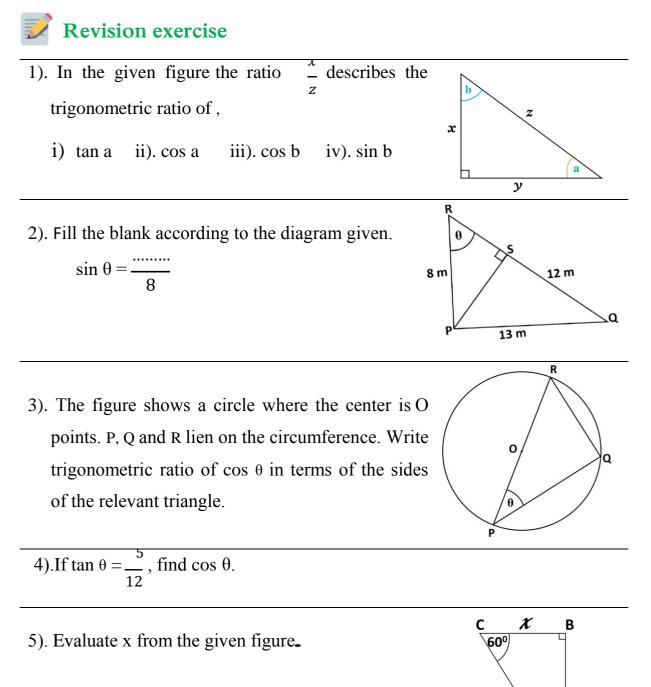
- Here is an image of a 4.5 m tall (AB) tree on a horizontal plane and CD is a tower 50 m away from it, the angle of elevation of the tower is 42⁰
 - i) Copy the diagram and insert the given data into the figure.
 - ii) By using the trigonometric tables find the height of the tower to the nearest second



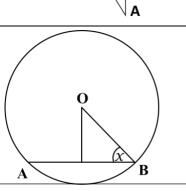


Complete the exercise 18. 7 (Grade 11 maths text book part -III - pg : 35 - 36)

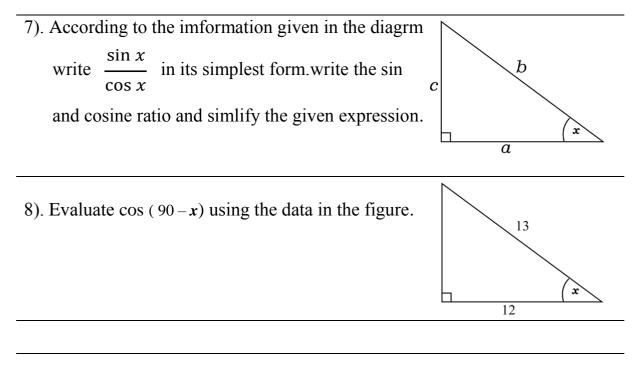




6). This is circle where the center O and the diameter is 10cm. The length of the chord is AB = 8 cm. Write down the trigonometric ratio of cos x.



15 cm



Content

C.F Rodrigo - Deputy Principle, Giri/ Humbuluwa M.V J.A.M.M Jayakodi – I.S.A, Divisional Education Office - Nakkawtta G.P.D.U.K Pathirana – S.L.T.S , Giri/ Humbuluwa M.V.

Prepared by

Y.W.H.M Amarasinghe – Assistant Director of Education, Zonal Education Office -Giriulla

Monitoring & Guidance

M.V.D.P.T.K Dewapriya - Deputy Director, Education Department - N.W.P