Day - 64 18-10-2021 9-10-20 Course overview chart Day-1-Introduction to liver and angles, Ex: 10.1(1 to 4 bits) Day -2 - Ex: 10.1 (5- to 10 lits) Day-3- Pairs of lines, Ex: 10.2 (1st to 3rd) Day-4- Ex: 10.2 (4th to 11th sums) Day-S- Possision Flow Chart Mathematics Geomatry Lines and angles

	Page
	Which pair of angles are complementary?
D.	38° and 5-2°
	38° and 5°2° are complementary angles because
	their sum,
	38' +5-2' = 90' The givenpair of angly are complemently
	Tere has seen and area.
6	25" and 55-
	25° and 55° are not complementary angles
	because their sun,
	25"+5"=80"
	The given pair of angles are not complements
2	Identify the following angles as somplementary or equal
	complementary, supplementary or equal
_ W	87' and 93'
	87 and 93 are supplementary angles home
+	their sum,
1010/3	87:+93:=180:
	The given pair of ongles are supplementing
	one your quest by say as all suggestioning

B	23° and 23°
	23' = 33'
- Carlon	the in the same of
	The given pair of angles are equal.
The same is	
£	33 and 5-7
	33° and 57 are complementary angles
	leecouse their sum,
	₹ 33° + 57′=90°
	and the second s
All the state of	The given pair of angles are complements
1	
d	112 and 68
	112 and 68 are supplementary angle leecause
	their str sume;
10000	112 +68 = 180.
	The given pair of angles are supplementary.
	The special four of surger son soforten
, with a second	The size of the second state of the second

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3	Write to complements of the following angles
a	complement of 43 = 90-40 43 = 47
6	Complement of 27 = 90 - 27 = 63
L	Complement of 35 = 90 - 35 = 5-5-
d	Complement of 62 = 90'-62' = 28.
2	complement of 88 = 90 - 88 = 2
f	Complement of 72' = 90' - 72' = 18'
	Comptement of $65 = 90 - 65 = 25$
g	550 1 4 10 1 10 1 10 1 10 1 10 1 10 1 10
y	Write the supplements of the following angle:
a	Supplement of 115- = 180 - 115-
	= 65-
6	Supplement of 123 = 180 - 123
	= 57
L	Supplement of 67 = 180 - 67
	= 113'
d	dupplement-of 10 = 180 - 10.
1000	15 mail 1 m = 170. 33 0 m =
l	dupplement of 140=180'-140"
	= 30 40.
f	Supplement of 90= 180:-90.
dina	= 90
g	
	= 140.

H.W sums

,2	The same of the sa
e	90' and 90'
	90' and 90' are supplementary angles because
	their sum, 90'= 90'
	90, +90, = 180.
	The given pair of angles are
1	The given pairs of angles are supplementary
0	
f	4' and 86'
Test and	4 and 86 are complementary angles because
	their sum,
	H2 100
	9 + 86 = 90
	The given pair of angles are somethery
9	12' and 168'
	12 and 168 are supplementary angles to
	because their sum,
	12+168=180
	The given pair of angles are supplementary.
	De top to the tal top all

	Day - 65-
	Ex-10.1
20-10-21	
5-	The difference between 2 complementary angles = 22
	Jal and Dallow 19. IC
	Then its complement (other angle) = 40 - 10
	Difference of 2 complementary = x (90 - 10)
	a sigle
T	= 22
	x-90+x=22
	2m=22+90=112
	x = 112:-2 = S6
	: K = 56
	: Other angle = 90-56 = 34
	The state of the s
6	Find the pair of supplementary angles in
	the folling figure
a	30' 157
	30° and 150° are supplementary singles, because,
	their sun,
	150 + 30 = 180
9	The given pair of angles are supplementary.

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le	60, 110
	60° and 110° are not supplementary angles,
	because their sum.
	110:+60= \$7170.
	Ling of Paragon Maria and Lines Janes
	. The given pair of angles are not supplement
6	Find the pair of supplementary angle in
	the following figure
C	25-, 160
Thistile)	160 and 25 are not dupple mentary angles
	lacouse their sum,
	160 + 25 - = 185
	LAOR indominations Page,
	: The given pair of angles are not supplements
	3
d	45-, 45-
	45- and 45- are not dupplementary angles,
	lacouse their sum,
	45-+45-=90
	: The given poir of angles are not supple
	: The given poir of angles are not supple supplementary.
Contract of such	

Lines AB and CD intersect and ato LDOA (L1)=170 LBOC(L3)= 170 C1+12 = 180. LPO L DOA and L AOC are linear poir 2 DOA + LAOC = 180 LAOC= 180-LDOA = 180-170=10. :. LAOC(L2) = 10 : LBODCLY)=10 8. Name the adjacent angles in the following figures Adjacent angles: LAOB adjacent to LBOC, LBOC adjacent to LCOD, LAOC adjacent to L DOC, LAOB adjacent to LBOD Adjacent engles: LPOQ adjacent tologs

Adjacent angles

LSXT adjacent to LMON,

LMON adjacent to LNOK,

LNOK adjacent to LKOL,

L KOL adjacent to LLOM,

LMOK adjacent to LKON

The given 2 angles lie on straight line do 9 they are linear pair.

dum of the 2 angles on straight line = 180.

41+12 = 180.

(AC+30)+(x)=180° at 30 + x = 180

2 x + 30 = 180.

2 nc=180-30=150

nc = 180 - 2 = \$ 75

.. x = 75-

Sum of angles around a point form complete angle -dum of given 4 angles = 360 L1+L2+L3+L4= 360 x + 2x + 3x + 4x = 360 10 nc = 360 R = 360 - 10 = 36. ·- R = 36. The given angles are vertically opposite angles and hence they are equal. L1=2, L2=35-6/2/2 i. pc = 35-The given 2 angles lie on the straight line and they are a linear pair L1+62=180 2 ac + 3 00 = 180 s-ac = 180° nc = 180 = 5= 36

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10	The larger angle = 20 more than the smaller
1000	Let the smaller angle læ x
	Larger angle = 20+ x But the angles are supplementary
	L1+L2 = 180
allo.	$\frac{1.10 + (20 + 10)}{100 + 100} = 180$
8	2x +20 = 180
	2x = 180 - 20 = 160 $x = 160 - 2 = 80$
1	: I smaller angle = 80 and larger angle
	=80, +20=100.
21-10-21	and the second
Arraha	1012002 Ex-10:2000 mg
20.13	11 m I and t is the transvertal.
	L7 = L3
	L 3 = 133. $L 7 = 16$ Opol $L 3 \neq 4$
3/6/10	:. L7 = L6 = L3 = L4 = 133
	Ly and LI are linear prais
	74+71=180.

L1=180=L4 LI= 180-133=47 LI and L2 are corresponding angles L1=L2=47 L1= L8 and L2= LS-LI= LZ = LS-=L8=97. Write the measure of the x in the follow 2 figure a IIIm and to t is the transversal x and 60 are corresponding angles l 11 m III m and t is the transpeal and 105 are vertically opposite angle llm III and t is the transpectsal ox and 40 are alternate exterior angles

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a Find the realise of in the following figure

L1+L2 = 180 x+(3x+4)=180x+3x+4=180

4x + 9= 180

ya = 180 -4

4 ac = 176.

x=176 = 4 = 44.

: x = 44.

C L1 = x, L2 = 160'

DE = 160.

H. W supre

b κ , 2κ and $3\kappa - 6$ are on the straight line L1 + L2 + L3 = 180

x+2x+(3x-6)=180

6x-6=180

600 = 180 · 16

60e = 186.

 $x = 186 \div 6 = 31$

i. a = 31

5	
d	In the figure, let a and be be the engles on either side of 120
	either side of 120
	La = ac
	L.h = 200
	a, 120 and b lie on the straight line.
	La+120+Lb=180
	x+120+2x=180
	32+120=180
	3 pc = 180-120
	3 m = 60'
	$\pi = 60 \div 3 = 20$
	:- pc = 20'
22-10-2	Day-67
	8x-10.2
4	L3 = 42.
	13212
1 All +14	12=y=42:
	11+12=180
	2+ y = 180
	x+42 = 180.
	x = 180 = - 42.
	pe = 138'
	: c = 136 and y = 42

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C-	ABIICD apol Pais the transversal
	1 - Da - 148.
	1(RC+/CRQ = 180
	1 CR3 = 180 - LCRQ
	LCRS = 180-148
	LCRS=32
	LASP=LCRS
	LASP=30327
	LPSB+LA3P= 180'
	LPSB = 18 148, LBSR=32
6	In the figure, La=110
	M= 180 N= 180110.
	JC = 70'
	$LC = L\alpha = 70$
	Lc=70'
	LC=Ly=70.
	Ld= 180-Ly
	Ld = 18070.
	L d = 110.
	1 d = Lb = 110
	Lb=110'
	Ll=Ly=70'
	:/a = 110, Lle = 110; LC = 70
	Ld = 110, Le = 70.

7	In the figure given below, find x if ABUC
	Ohal CD HET
7	ADUCD and CDILEF
	1 ARC = 5-2 0/BCE - 25
	ABIICD, BC is transversal
	LABC 6 = LBCD = 5-2
	LBCD=5-2
T-	LBCD = @LBCE+LECD
	5-2 = \$ 25 + CECD
	LECD=5-2'-25-
	1 - 1 - 27
	CDIIEF, ECisthe & transversal
	LECD+&=180
	But from t, we have I ECD=27
	: 270t0=180
	$\alpha = 180^{\circ} - 27^{\circ}$
	$\therefore x = 12.3$
	1
	1 1 1 - 1 a c - 7 3 · · · · · · · · · · · · · · · · · ·
	The state of the s
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	The Priority of the Priority o
	D = 77 - 101 - 107

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8	PQ IIRS.
	LQAC=65, LABR = 100 (given
	Set LACB = x PQ 11-RS and AC is the transpersal
	LQAC = 65 = LACB
	$\mathcal{K} = 6S^{-1}$
	: LACB=65-
a	
9	The pair of vertical angles are LERQ and LKRZ
10	The pair of vertical angles are LYES and
	LSEH
1.	A D Till 1
11	A pair of vertical angles are LYAE and
	LLAS