NAME: ALONYENU TREASURE AGBENU-OWO

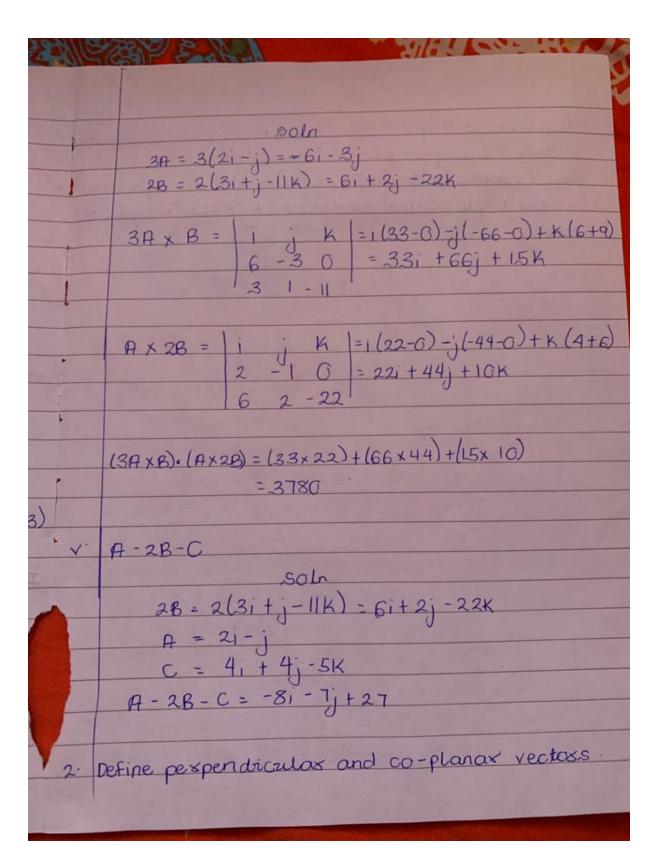
DEPARTMENT: CIVIL ENGINEERING

MARTIC NUMBER: 19/ENG03/005

MAT 102 ASSIGNMENT

	THE PROPERTY OF THE PARTY OF TH
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1	Civil Engineexing
1	19/ENG03/005
1	MAT 102 Assignment
1.	If A=21-j, B=31+j-11k and C=41+4j-5k, Find the foll-
	-owing
T	-3A + 7B-8C
	Soln
	-3A = -3(2i-j)
	= -6i + 3i $78 - 7/2 + 1111$
	ID - I WIT J - IIN
	= 21i + 7j - 77k
	8C = 8 (4) + 4; -5K)
	= 321 + 32j - 40K
(24	-3A+7B-8C=-171-22j-37K
	2-10=11+22+55
I	If K=2A+4B-C, find the disection cosine of K
	50h
	h=2A+4B-C
	2A = 2(21-j) = 41-2j
	4B = 4(31+j-11K) = 121+4j-44K
	C = 4i + 4j - 5k
	2A + 4B-C = 121 - 2j - 39K
1	

	$K = \sqrt{12^2 + (-2)^2 + (-39)^2}$						
	K = V1669						
	K = 40.85						
	The disection of h ase						
	40.85						
	cos B = -2						
	40.85						
	cos 8 = -39						
	40.85						
	THE RESERVE OF THE PROPERTY OF THE PARTY OF						
T	AXBXC						
	$A \times B = 1$ $A \times $						
	2 - 10 = 11 + 22 + 5k						
	13 1-11						
	1: V 1: (40 20): (55-20)+						
	$A \times B \times C = 1$ j K = $i(110-20)$ - $j(-55-20)$ +						
	4 4 -5 = -130i + 75j - 44K						
	The state of the s						
_	(3A x B). (A x 2B)						
N.	LOH ADI VILLADI						
1							



Foulant
Two vectors fland B are sand to be perpendicular
if their scalar product is equal to text
Three, vectors A, B and C are said to be copialities
if their triple scalar producte [A.(Bxc)] is equal to
zesc.
Mar+ 190+ 198 s 0 82- 3
5+12+620-1-10-001= 20 x 20 1 1 = 20 x 20 1
2014 DE + 200 - 0 12 2
100-03
(01x2)+(++x22)+(ccx2)+(ax2)
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alae
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75 - 1 - 1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
2-28-5-1-12-