1		-9	-5 4	-2	+ 0	4	1
	30	-12		-12		24	30

2]
$$A = P_i - 6j - 31c_i B = 4i + 3j - k$$
 and $C = i - 3j + 21c_i$
 $A(B \times c) = P - 6 - 3$
 $4 \quad 3 \quad -1 = 0$

$$P(6-3)+6(8+1)-3(-12-3)=6$$

 $3P+54+45=0$
 $3P=-99$
 $P=-38$

```
unne: Lawel Who lawel
    Course : MATH 102 DePartment: Civil Engineering : "
    Matric No: 1918NG 05/027
    MATH 102 Assignment
    Answers.
   o) A = 4i+j-21, B = 3i-2j+ K and C= i-2k
   a) (A-28) xc
   2B = 2(3:-2j+k) => 6:-4j+2k
   (1-28) = (41+j-2+) - (61-4j+2k)
   (A-2B)=-2i+5j-4k

(A-2B)\times C = \begin{bmatrix} 1 & j & k \end{bmatrix}
  · (-10+0) - i (4+4) + k (0-5)
      < (A-28 x C => -10j-8j-5k
  6) Ax (2C x 3B
    20 = 2(i - 2k) = -10; -8; -5k 2i -4k
   38 = 3(3i-2j+k) => 9i-6j+3k
  (2CX3B) = 1 J K
                        3 + K Z 0
i (0+24) -j (6-36) + k (-12-0)
2Cx38 = 241 + 30j - 12k
Ax (2c x 3B) = 1 5 1ct
                  24 30 -12
```