Week 4 Thursday

Define How's Fin 7:45-8:30  
CBA 151  
Bring Music /earplugs  
Test Review  
EX: Normal form of plane through  

$$A = (1,2,3)$$
,  $B = (6,5,4)$  and  $C = (3,-3,-3)$ ?  
 $M$   
 $A = (1,2,3)$ ,  $B = (6,5,4)$  and  $C = (3,-3,-3)$ ?  
 $M$   
 $A = (2,-5,-6]$   
 $S = 2,5,5,6$   
 $S = 2,5,5,7$   
 $T = AB \times AC$   
 $= [-13,32,-31]$ 

Normal Form 
$$\vec{n} \cdot \vec{x} = \vec{n} \cdot \vec{p}$$
  
$$\begin{bmatrix} -13 \\ 32 \\ -31 \end{bmatrix} \cdot \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} -13 \\ 32 \\ -31 \end{bmatrix} \cdot \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$$

$$\frac{Ex}{Let} \quad Let \quad \overline{u} = [1, -1, z] \quad and \quad \overline{v} = [3, 0, 4]$$
Find  $\overline{c}$  and  $\overline{d}$  so that:  
 $\overline{c}$  is parallel to  $\overline{u}$ ,  
 $\overline{d}$  is pupendicular to  $\overline{u}$ , and  
 $\overline{v} = \overline{c} + \overline{d}$   
 $\overline{v}$   
 $\overline{u}$   
 $\overline{v}$   
 $\overline{u}$   
 $\overline{v}$   
 $\overline{v}$   

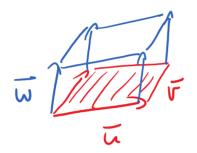
$$= \frac{1}{6} [18, 0, 24] - \frac{1}{6} [11, -11, 22]$$
$$= \frac{1}{6} [7, 11, 2]$$

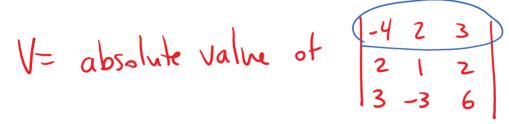
$$\frac{E_X}{Volume} \text{ of parallelepiped}$$

$$\frac{E_X}{Volume} \text{ of parallelepiped}$$

$$\frac{E_Y}{Volume} = [-4, 2, 3],$$

$$\overline{V} = [2, 1, 2] \text{ and } \overline{W} = [3, -3, 6]?$$





$$\frac{f \times f}{f \times f} = \frac{1}{f \times f$$