The coordonates are v, (4, 1,0) v, (2,0,1) 73(0,2,4) and ov(1,4,2) aov, + a,vz+ azv3=v, +! 00,0,0,02 ER ao(4,1,0)+0,(2,0,1)+ az(0,2,4)=(1,4,2) 400+201=1 a0+ 202 =4 (=) a0 = 4-202 a 1 + 402=2 (=) a1 = 2-402 4 (4-2az) +2 (2-haz) =1 16-8az+4-8az=1 20-16az=1 (=) 16az= 19 (=) az= 19  $\alpha_1 = 2 - 4 \frac{19}{16} = 2 - \frac{19}{9} = \frac{8 - 19}{9} = \frac{-11}{9} = -2.45$ the second exold - 2,45

Henry I have been + 4(1)(400 + 4201) = 4(401) = 4001 = 400

 $Jmf = \frac{1}{3}f(x) e^{3}/r = (x, y, z) e^{3} = \frac{1}{3}f(x + 3y, 3x + 3z, 3y + 5z)/x, y, z e^{2} = \frac{1}{3}(5x + 3y, 3x + 3z, 3y + 5z)/x, y, z e^{2} = \frac{1}{3}(5x, 3x, 0) + (3y, 0, 3y) + (0, 3z, 5z)/x, y, z e^{2} = \frac{1}{3}(5x, 3x, 0) + \frac{1}{3}(3, 0, 3) + \frac{1}{3}(0, 3, 5)/x, y, z e^{2} = \frac{1}{3}(5x, 3, 0), (3, 0, 3), (0, 3, 5)$ 

 $\begin{vmatrix} 5 & 3 & 0 \\ 3 & 0 & 3 \end{vmatrix} = 0 + 0 + 0 - 0 - 45 - 45 = -30 \neq 0$   $\begin{vmatrix} 0 & 3 & 5 \end{vmatrix} \Rightarrow \lim \lim \lim_{x \to 0} \lim_{x \to 0} \frac{1}{x} = 0$ 

=)  $Jmf = \langle (5,3,0), (3,0,3), (0,3,5) \rangle$ =)  $Jimf = \langle (5,3,0), (3,0,3), (0,3,5) \rangle$