(d) 3,76) P=0 0/ 0H, 是于州宁魏 भाग हर्म किंद्र भरा 到好 乳红沙湖 梅尼 IN 40N 40N M=M.+Me, F.= HN, F= 40N QM. = Yc XF, = (30cm) TX[-(16N)] = - (480cm) K @Ma= YEBXF2 -> YEB= (150m)] - (5cm)] dDE = \(\sigma^2 + (15)^2 + (15)^2 = 5\sqrt{5} an

 $2M_{0} = YEIB \times F_{2} \longrightarrow YEIB = (15cm)i - (5cm)j$ $JDE = \sqrt{(0)^{2} + (5)^{2} + (10)^{2}} = 5\sqrt{5}cm$ $F_{2} = \frac{40N}{5\sqrt{5}}(5i - 10k) = 8\sqrt{5}[(1N)j - (2N)k]$ $M_{1} = 8\sqrt{5} = \frac{15}{5} - \frac{15}{5} = \frac{10}{5} = \frac{10}{5}[(10Ncm)i + (30Ncm)j]$ + (15Ncm)k]

@M= M.+M2 = (178.885 Nem) T+ (536.66Nem) J- (211.67 Nem) k [M] = 603.99 Nem

A) Davis = M = 0,29611 1 + 0,88852 J 95 - 0,35045k

6) cos 8x = 0,29617, cos 8+= 0,88852, cos 82 = -0.35045 5. 8x=128, 8y=21,30, B=110,5