7.36
$$A = (3y-2)a_{x} + 2x = a_{y}$$

$$A = (3d_{x}(3y-2) = 0)$$

$$A = (3d_{y}(2x+2) = 0)$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_{y}(-1,3)$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_{y}(-1,3)$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_{y}(-1,3)$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_{y}(-1,3)$$

$$A = (3d_{y}(-1,3))$$

$$A = (3d_$$

the miteld of each has super to either as

Q= 2= C m= SE= 26 kg 8.3 a) E=100ax -200ag +300@2 //m B= -3ax + 2ay - az mT t=0 > V6) = (2ax - 3ag - 4az) Es m/s FB2= Q(E+(V6) XB)) = 1100 ax + 1400 ay -500 az F60 = 4 E-14 (6 ax +6 ay -az) $a_p = 6a_x^2 + 6a_y^2 - a_z^2 = 0.7a_x^2 + 0.7a_y^2 - 0.12a_z^2$ A(1,0,1) AB(3,0,1) >> ((3.0,4) >> D(1,04) >> A 8.5 IN=0.006 AMB >C I = 15 A az a) FBC = JB In JL XB = J GE 3 dx as X 2TT XBM as = 1500 b) FAB = 5 16 E 3 dz ax X 2 TX ag = 19.8 az nr C) FOX = J, -6E-3 /2 de X 2T(1) ag = SYdik n N Flotal = FOA + FBC = 36 arm

