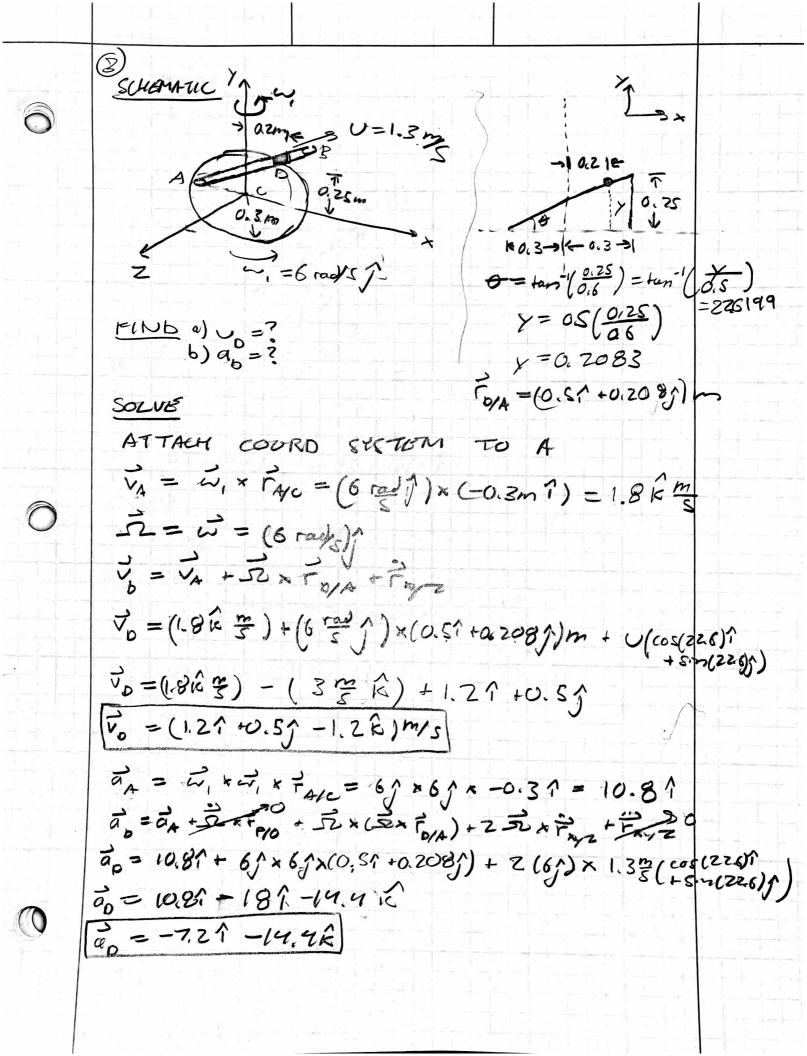


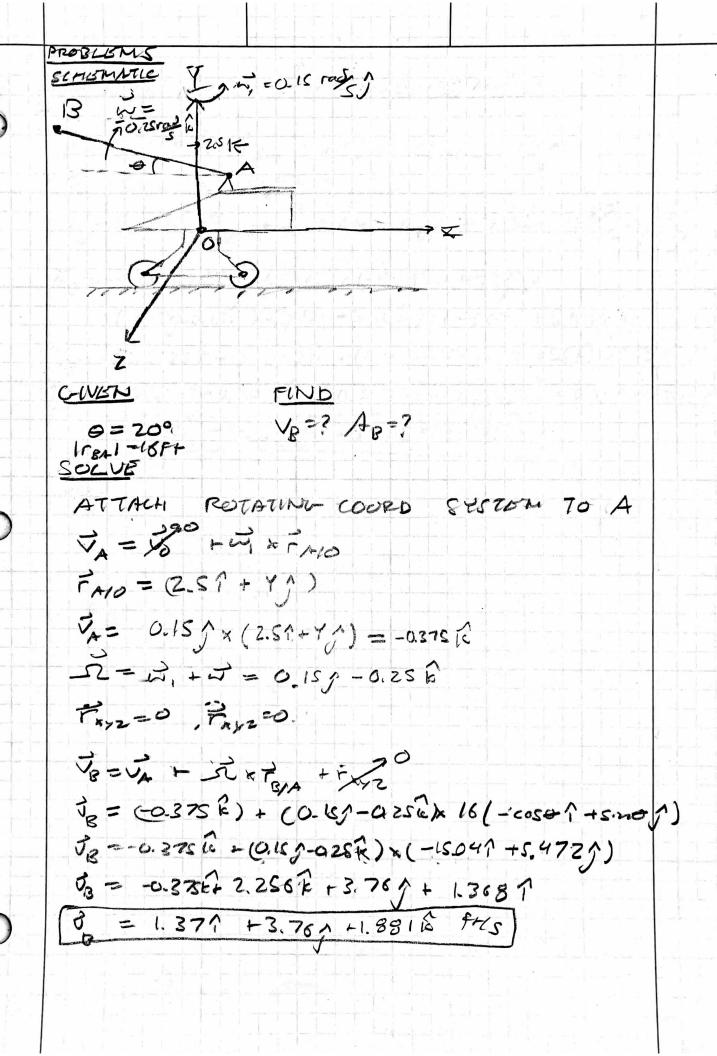
FIND

SOLVE EQUATIONS 1-4 WITH COMPUTER

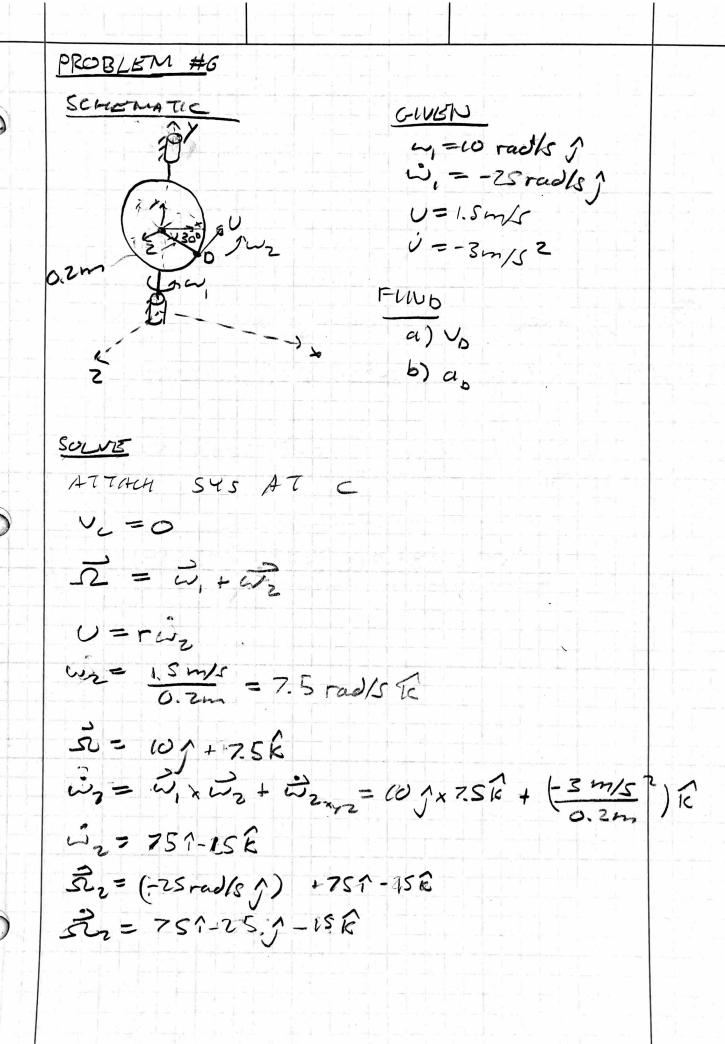


PROBLEM 4 SCHENIATIC GIVEN U=39 m/s, wi=5 radks k FIND Ve, ac SULVE Ful = (31+7,21-10,46)in ATTHU RUTHTING SYSTEM 元二二, Je Jo + IZ x Fele + Fxyz Je = wixtge + raye TB/0 = (-61 +14,47 - 20,8k) in 1 rop = 26 Farz = For U = 39 = (-0.2317 + 0554) -0.8 (2) fxyz=(-91+24611-3426)=

Jc = (5 rads) & x (31+7.21-10.4/6) + (-41+21619-31.26) ve= 151 -367 -97+21.611-31.2€ = (-451 +36.61) -31.22) in/s ac = 52 × 52 × (31+7,2)-10.00(x)+2 (5/2)×(-91+2161)-31,26)  $\vec{c}_{c} = -751 - 1801 - 901 - 216.11$   $\vec{c}_{c} = (-291.11 - 2701) \cdot m/s^{2}$ 



1 = 0, 15 / x (-0, 25 k) = -0,03751 rad/s2 での= こ、ヤゴ、×下A10 = 0、151 × 0、167 × 12:57 +41) a=-0056251 P4/52 するころは「シャーラングンドロイトンラストラフェーラー 08 = -0,056251+-0.03751x(-4047+54721)+ (0.157-0.25ê) X(U.157-0.25ê) x (-15.041 + 5.4721) TR=-0.056257-0.20576+(0.151-0.256)x(2.25612+3.74)+1.3681) a= -0.056257-0,20526+ (0.33847-0.20526+0.447-0.3425) ab = (1.221 - 0.342) -0.408 R) 14/52



 $V_{0} = \frac{1}{16} + \frac{1}{12} \times \frac{1}{100} + \frac{1}{100} \times \frac{1}{100}$ 

ab = (-28541 + 303) - 10.68 %) m/s2