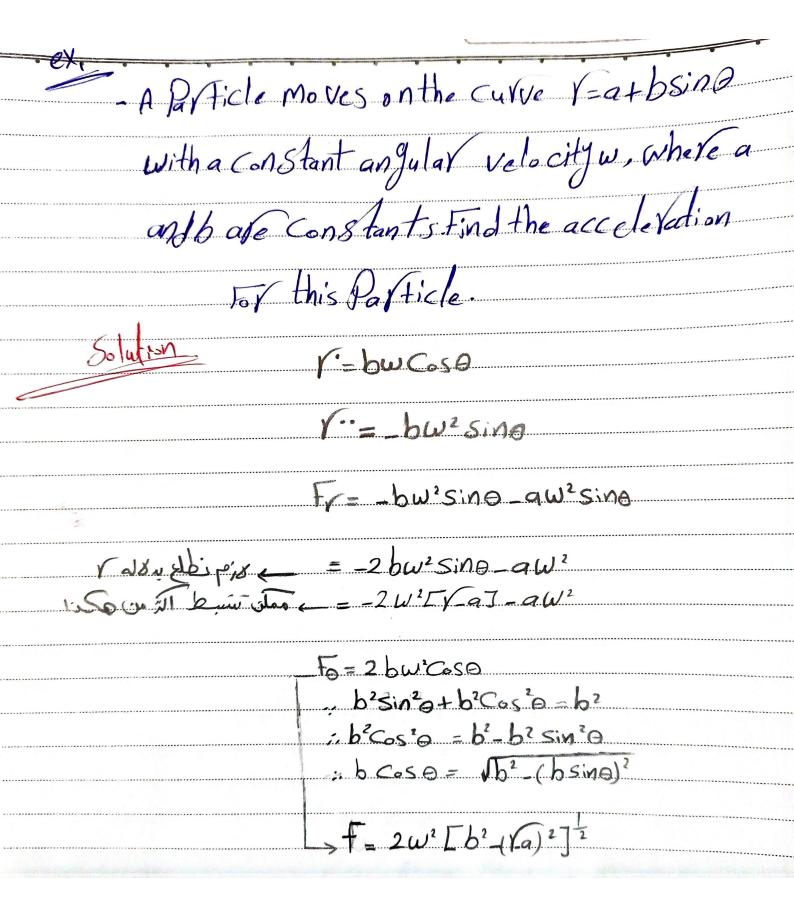
y-aXis ما الزاوية عن الان المنظمة م X' 0 - العلم الزاويم * V=Ye, +Viole Viples *F= ("e, + / 6 e, + / FFE, +Fe Fo = 2 V : 0' + VO" (3) 1 d (V20) 1FI=VF-2+F02



 eX_2 Consider ag an illustration the mothing of a Particle in a Circular trajectory having angular Velocity w=0', and angular acceleration a = w. ex3 AParticle moves with 0 = w = constant and 1=10eBt, where to and Bare constants Prove that For Certain Values of B, the Particle moves with ar = o Solution (-10B) eBt $a_{\gamma} \cdot \beta^{2} e^{\beta +} \sqrt{e^{\beta +}} \omega^{2} = ze^{\beta}$ $C^{1}g^{3} \cdot \beta^{3} = \sqrt{e^{\beta +}} (\beta^{2} - \omega^{2}) = ze^{\beta}$ B= ± w