## PROBLEM SHEET 3 (Part 2) Consider a thin circular disc nothing on a honizantal plane at an ongle of wirt he plane. The radius of the disc is a and the ex distance of the CM to the arms is b, as The disc rolls without stipping. 1) What is the no crip condition. Indicate how 2) Calculate he torce at the point of contact and hence calculate pre torque about me CM. 3) Calculate pu angular momentum about CM. (donoted ZA) Horne calculate dt. 4) From (2) + (3) evaluate 1 in terms of d, a and b. comment or for case d - 0. 5). Chem por you get pre same result by

Lirenty using the reterrant Enter exmation.