NYU Physics I - 2017-11-16. Agenda - Ortital elements. - Exam 5. reading: Neutonia grains. Vepleis jans. GMM

APE: mgh Me APE= SR2 GMom dR work done? W= JF. dR

GMon dR = GMon JR 22 LR APE = [GMON]R:

a = Semi-major avis. "generalitata of radius". 2a = Vap + Peri pencenter e = eccentricity ocell: ellipse "radial asymmetry e=o: cirde e=1: parabola C= Tap-Pperi (2>1: hyperbola) Vap + Speri

T.M.E = 2m(v2+v2)-GMom
L = mv2r