Show that in Sch. metric, there are circular light like Orbits at 9 = 37g/2 The geodesic for masters particles is Am 2 1 4 - 37 u ; u = 1 2 pr 2 y For a Constant or come; dy -0. (1) reduces to U= 394 u2 3 u = 0 or u = 2M=2 J M= Jrg U20 7 9200 So, gor a circular orbit 27 = 3xg