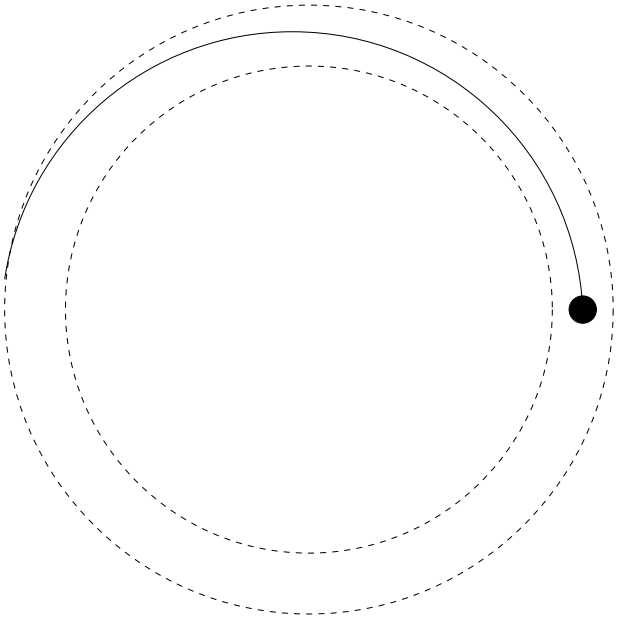
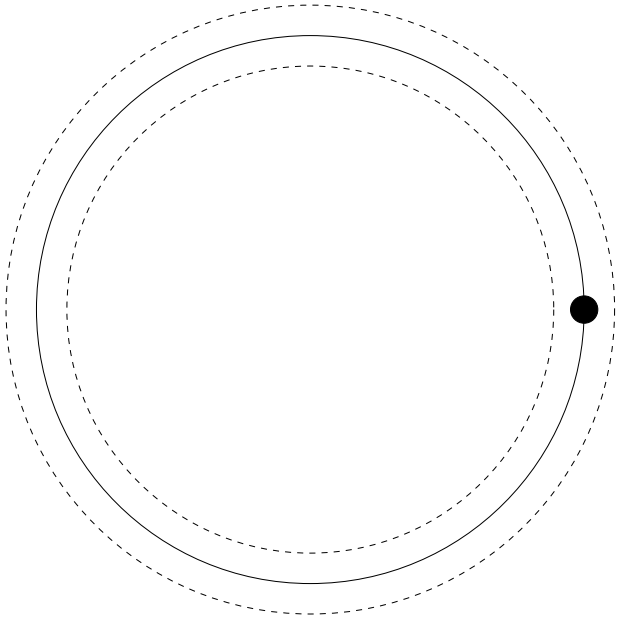
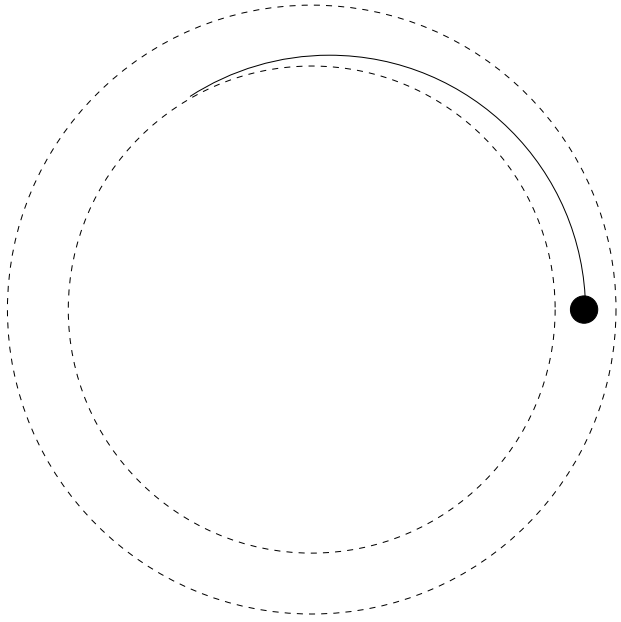


$R_1 > 1.5r_s$



$R_1 = 1.5r_s$



$R_1 < 1.5r_s$