

PTYS/ASTR 206 – Section 3 – In-Class Activity 4 – Assigned 4/21/09

NAME: _____ (PRINT CLEARLY)

Why does Pluto always manage to avoid Neptune?

Pluto orbits twice every time Neptune orbits three times.

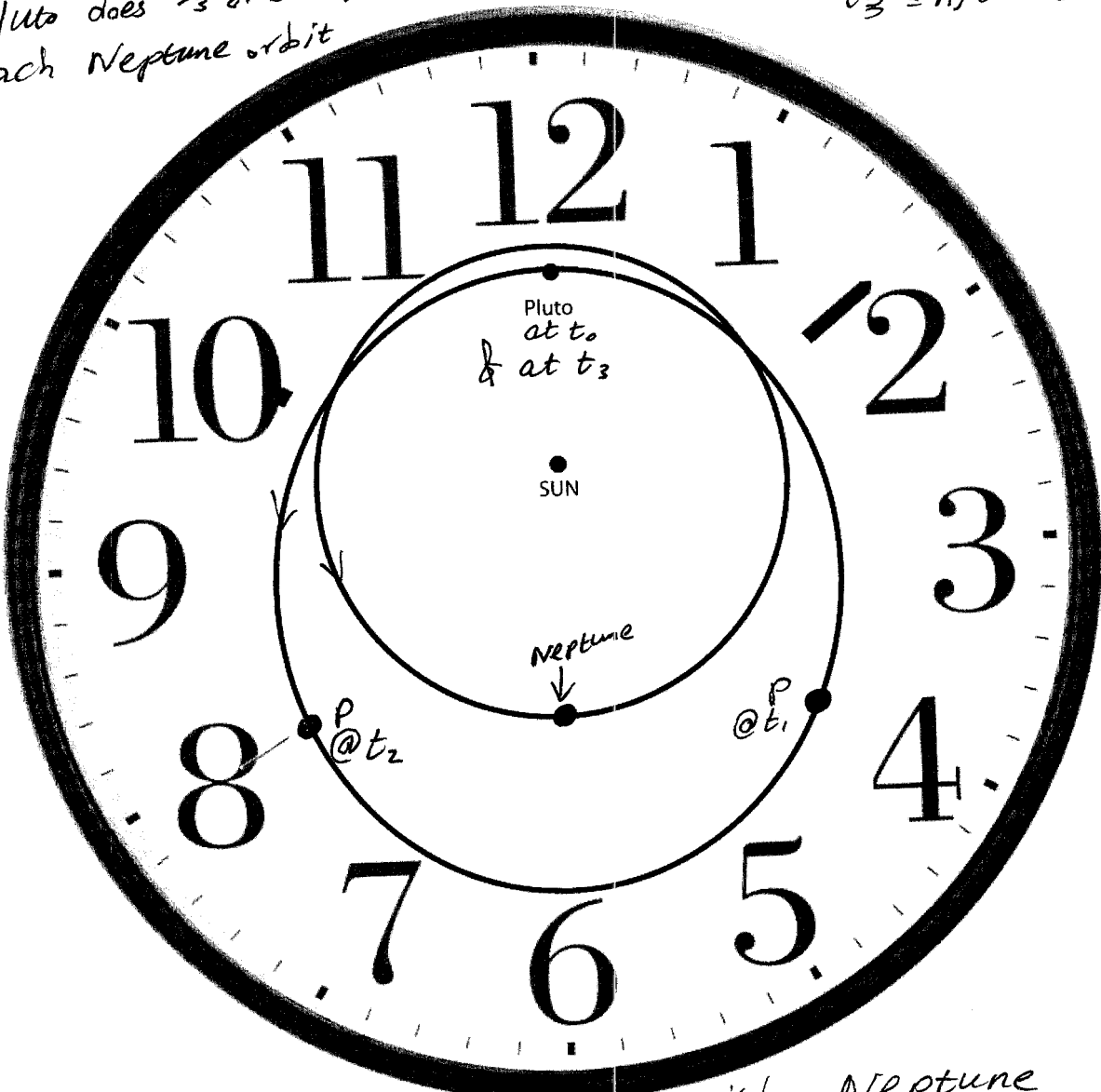
Pluto does $\frac{2}{3}$ orbit for each Neptune orbit

t_0 = beginning time

t_1 = After one Neptune orbit

t_2 = After 2 Neptune orbits

t_3 = After 3 Neptune orbits.



Pluto doesn't collide with Neptune