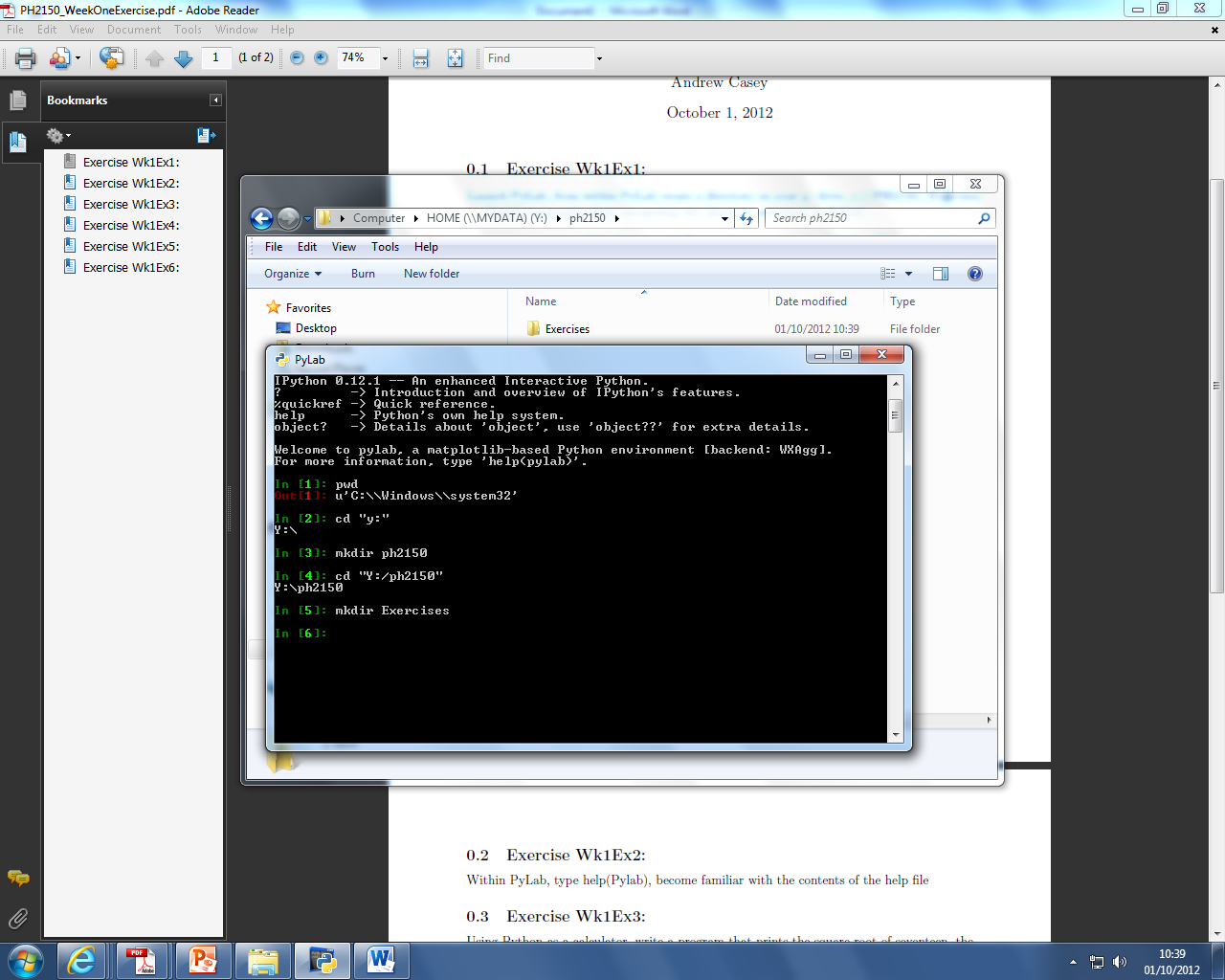
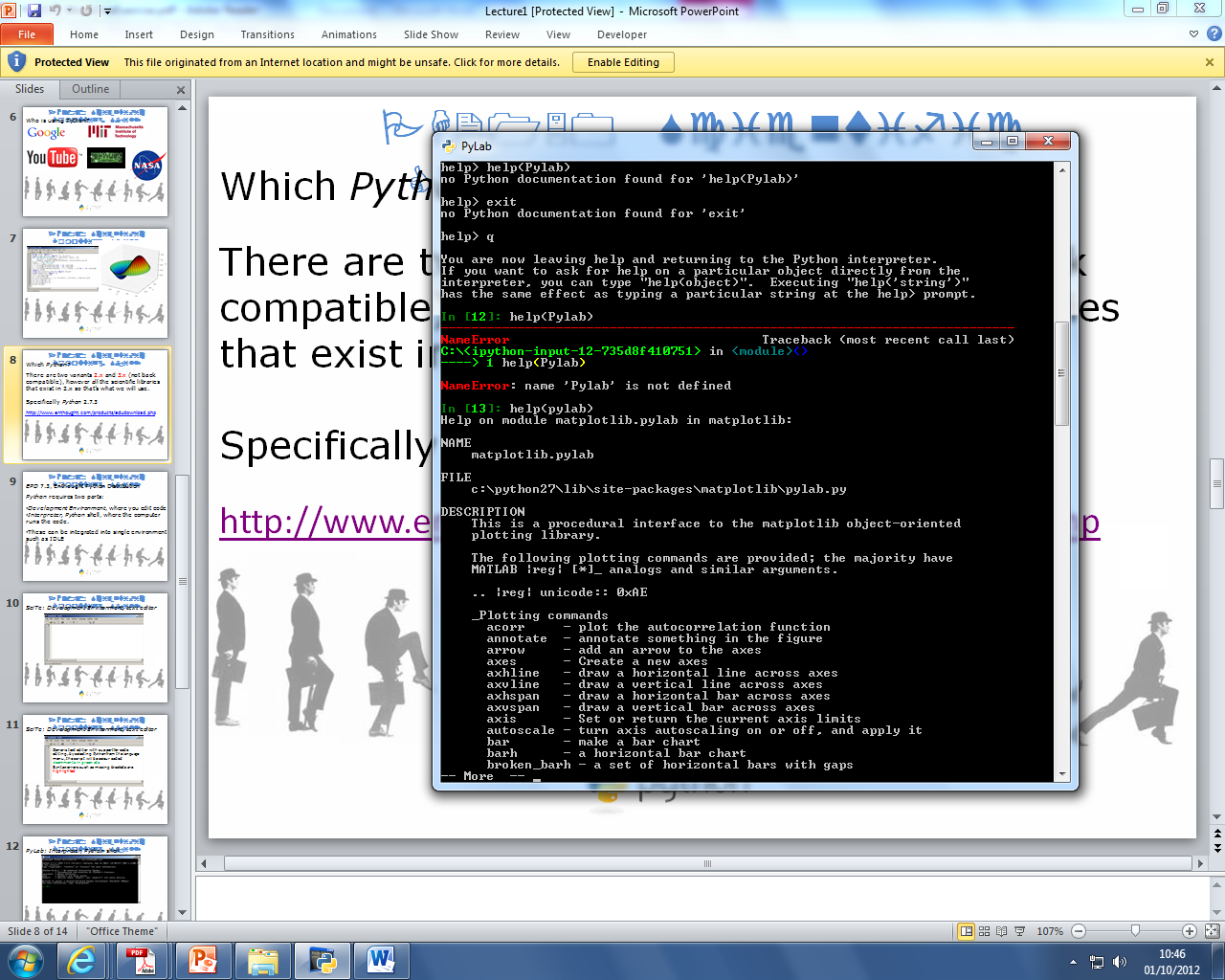
Week 1 exercises

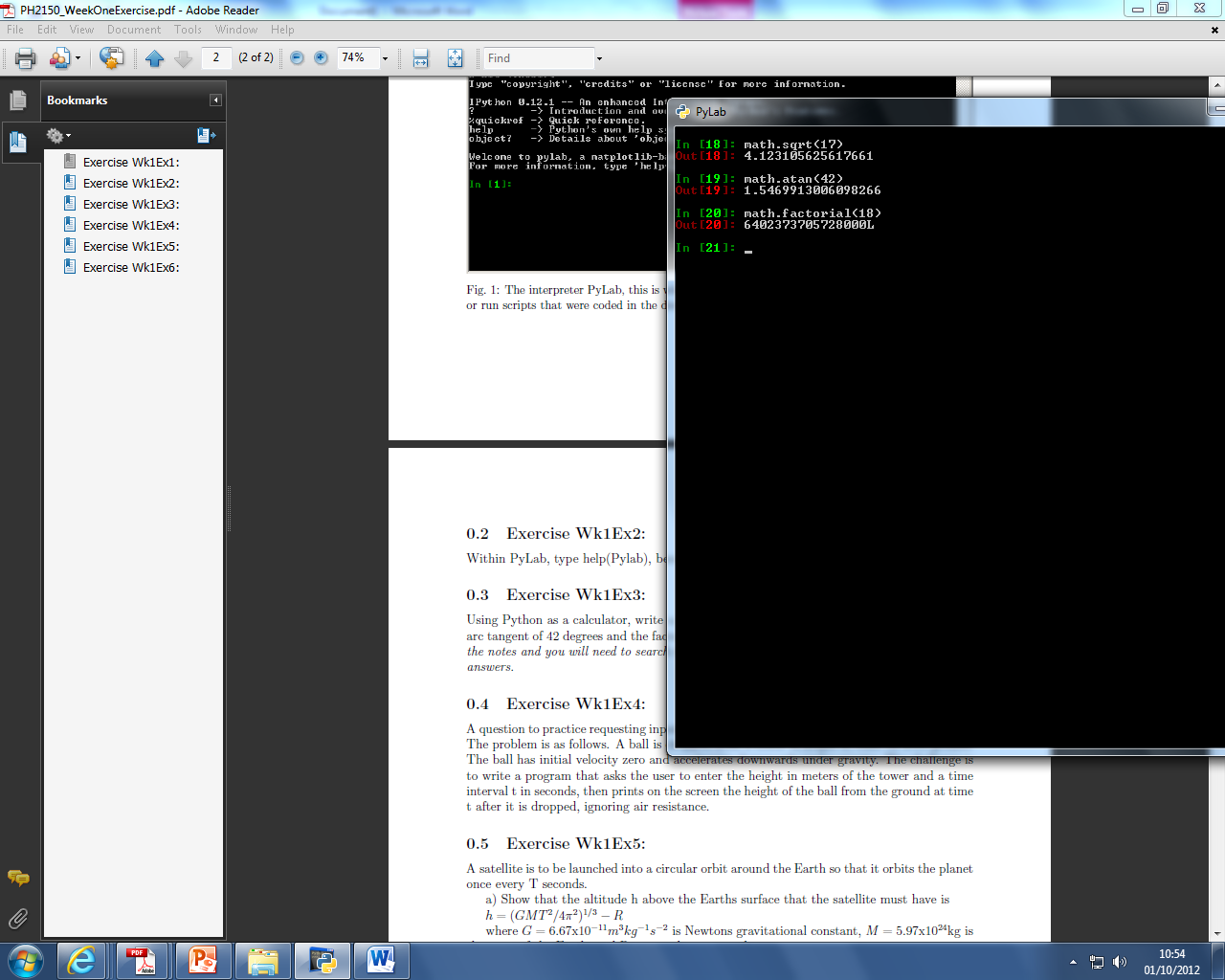
1.

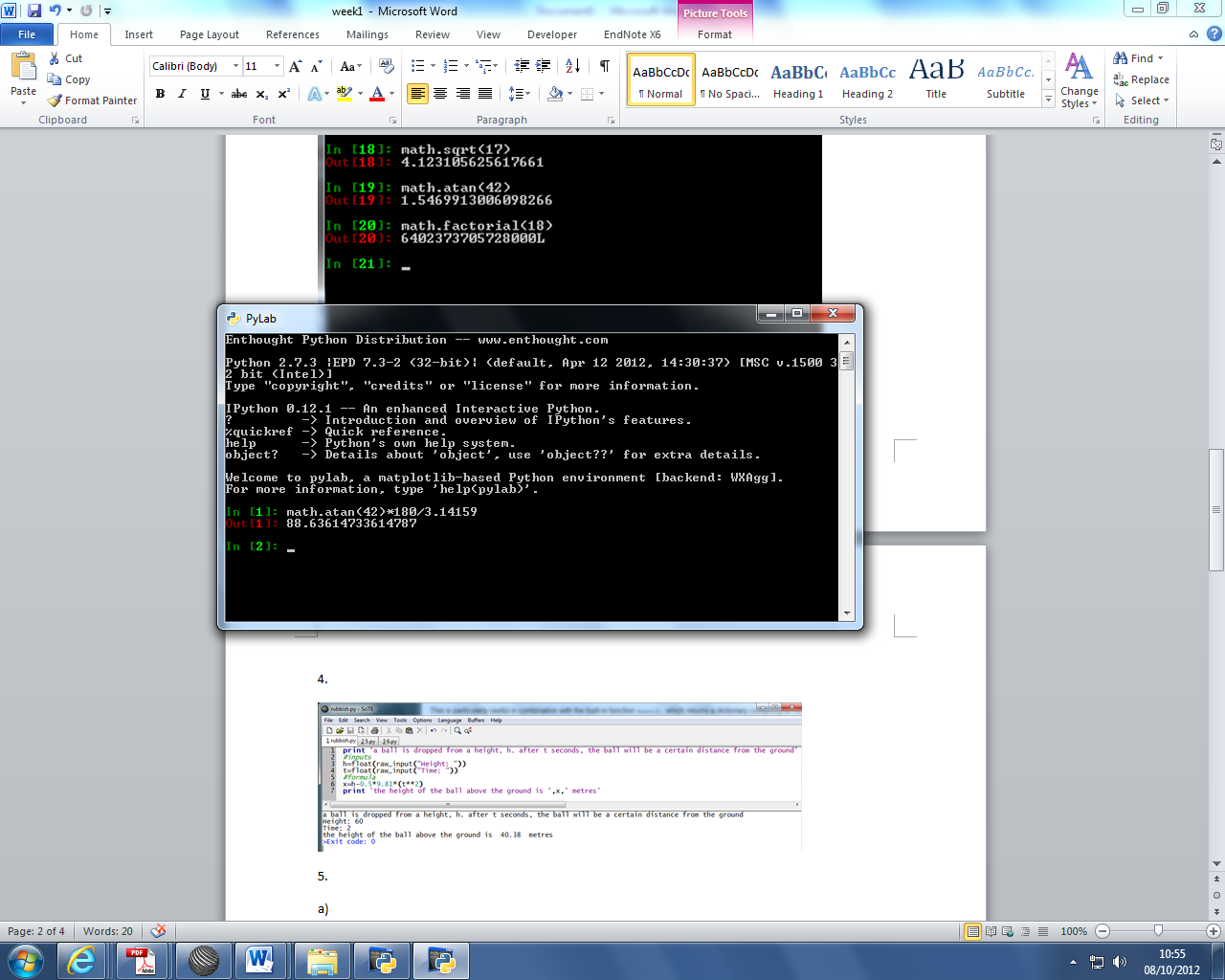


2.

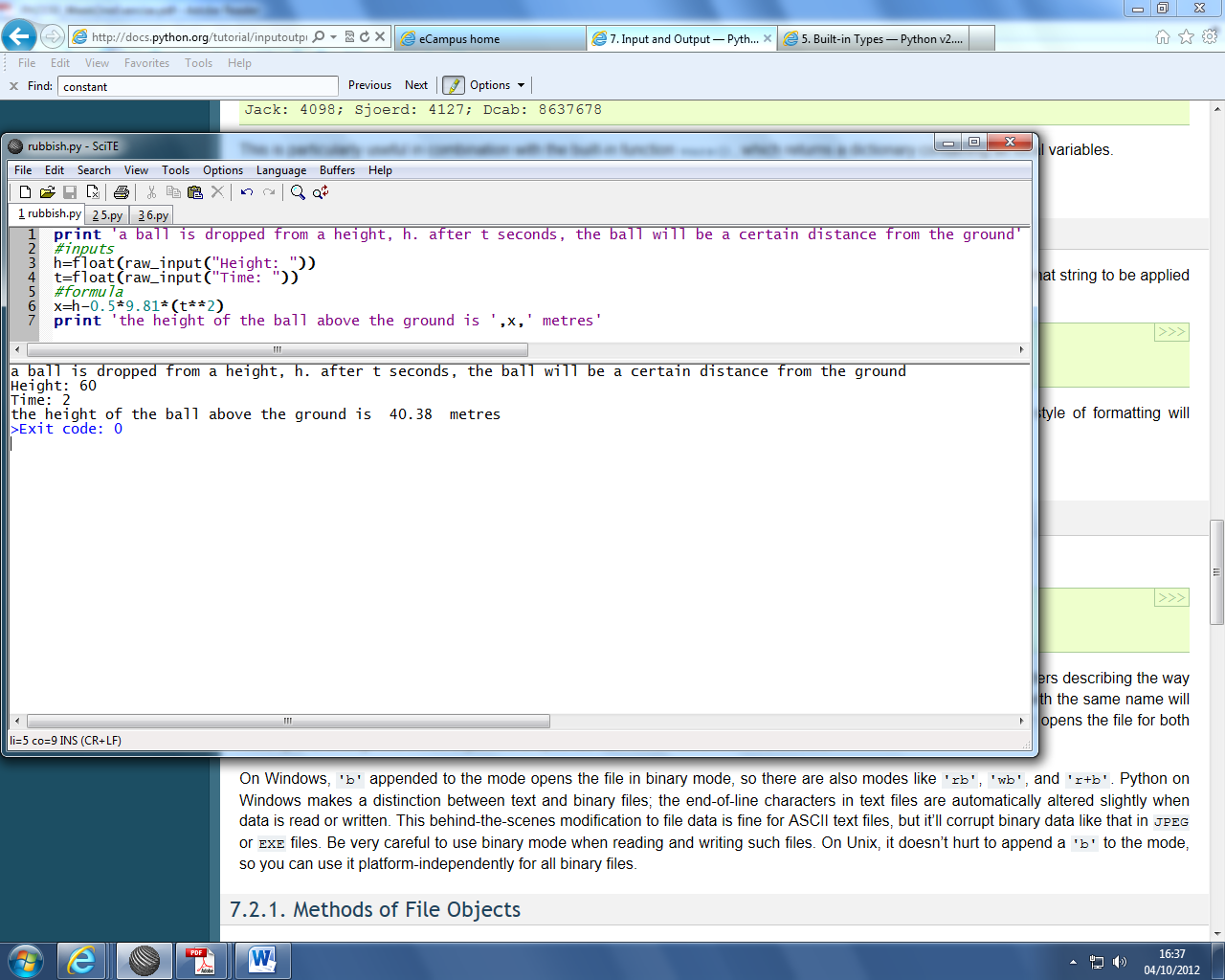
2. 

3.





4.



5.

a)

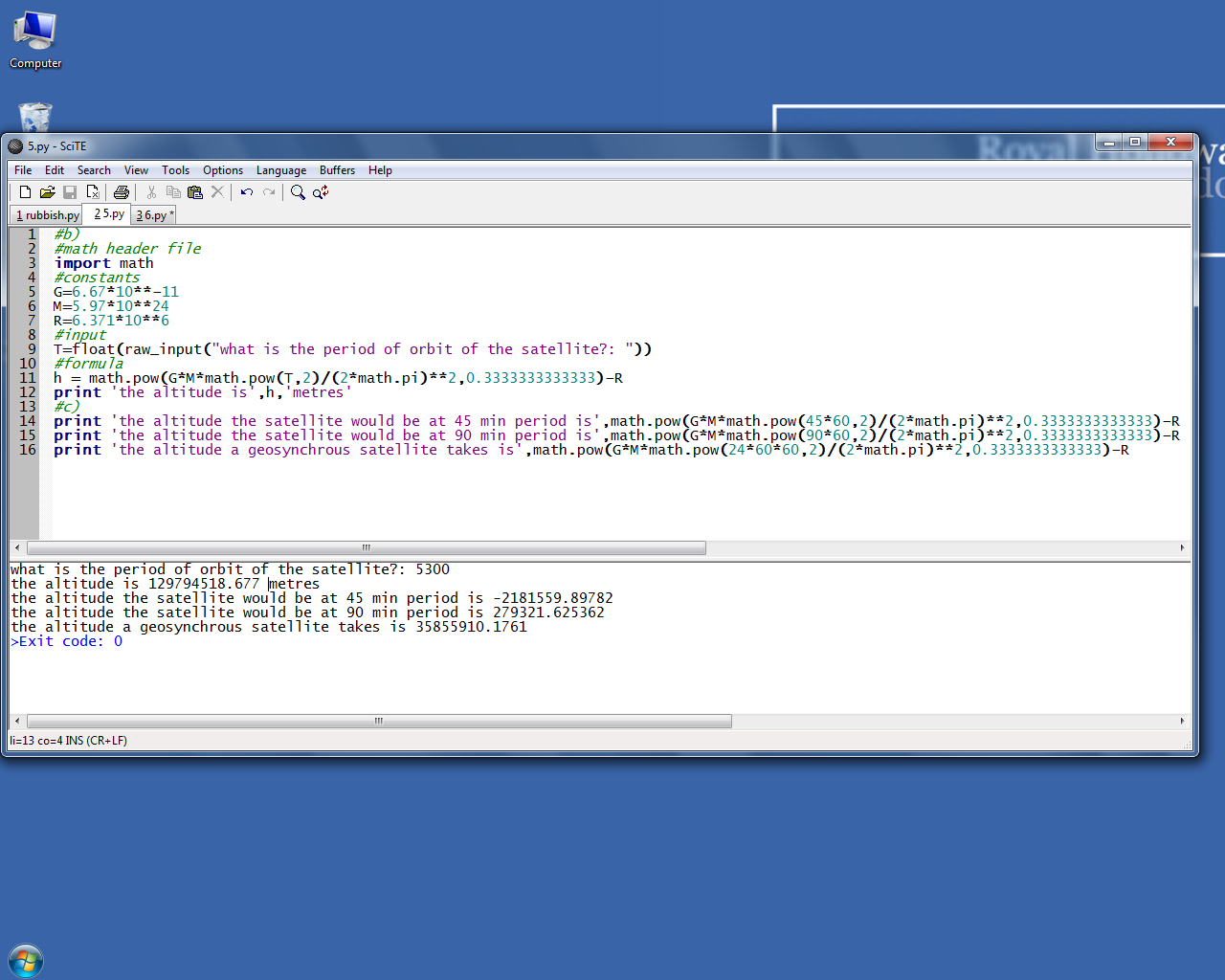
centripetal force = gravitational force

mrω^2=Gmm/r2

r=(GmT2/4π2)1/3

h=r-R

h=(GmT2/4π2)1/3-R



6.

