Cho	upter	00.	13

## Complex Numbers! Exercise 13.1

imaginary rea

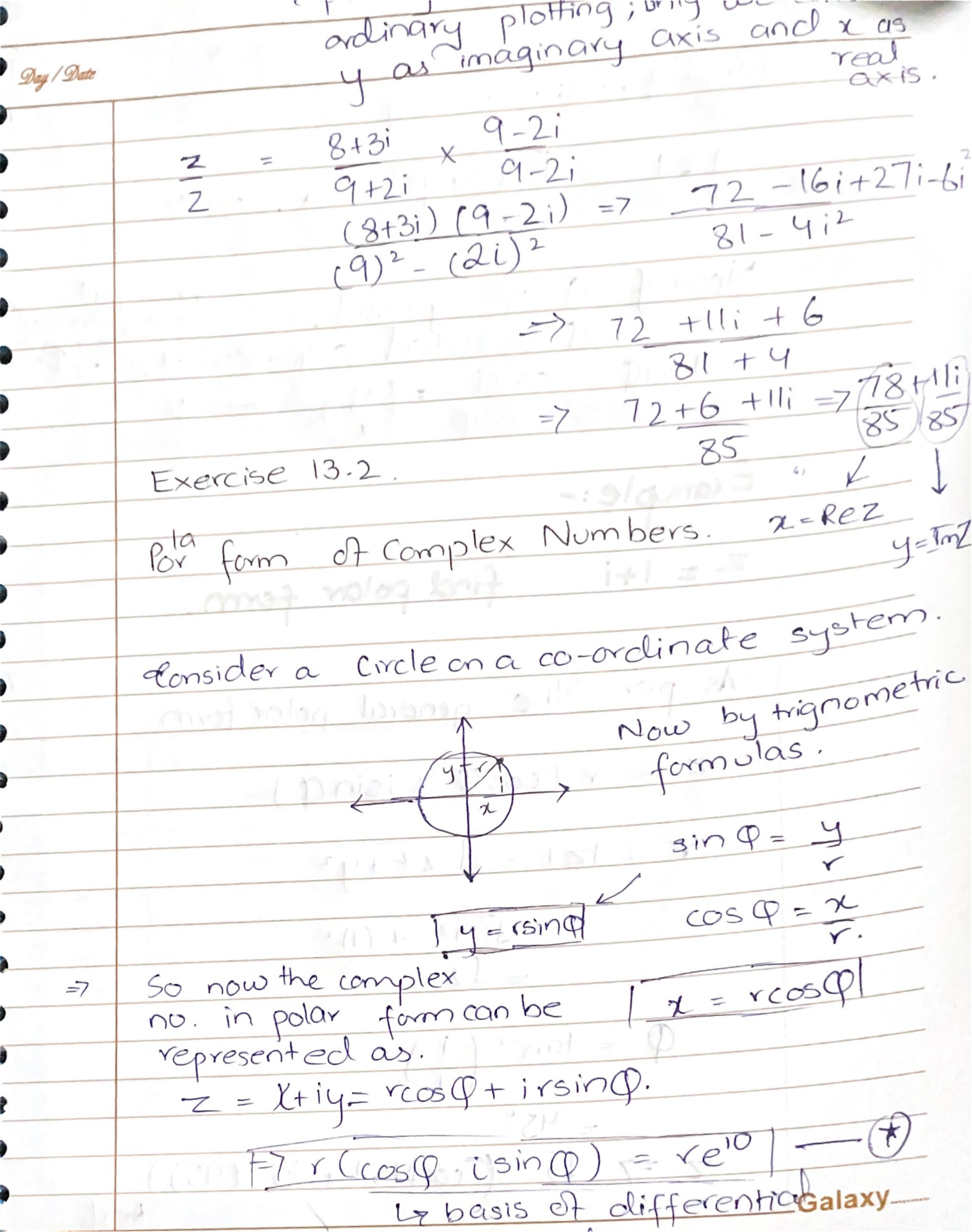
## complex conjugate:

## also:-

e-workey.

$$z\bar{z} = (\chi + yi)(\chi - yi)$$
  
=  $\chi^2 + y^2 \rightarrow Real no.$ 

$$\overline{z}_{1}+\overline{z}_{2}=7$$
 (8+3i) + (9+2i)  
= (8-03i) + (9-2i)  
= (18-1) - 5i  
= 7 17-5t And



z = 75  $(\cos(45) + i\sin(45))$ 

Day 19th Chapter no. 13 EXERCISE 13.1. LAWS FOR CONJUGIATES:- ( Pno. 4 done). (21 + Z2) = Z1 + Z2 (ZI-ZZ) = ZI # ZZ LAW TO SOLVE COMPLEX FRACTIONS! (Ono.3 done!) ×2+412 Multiply & divide by conjugate of the denominator. Question no.1 show that is = -i proved 0, 22 Galaxy.....

