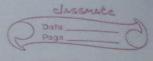
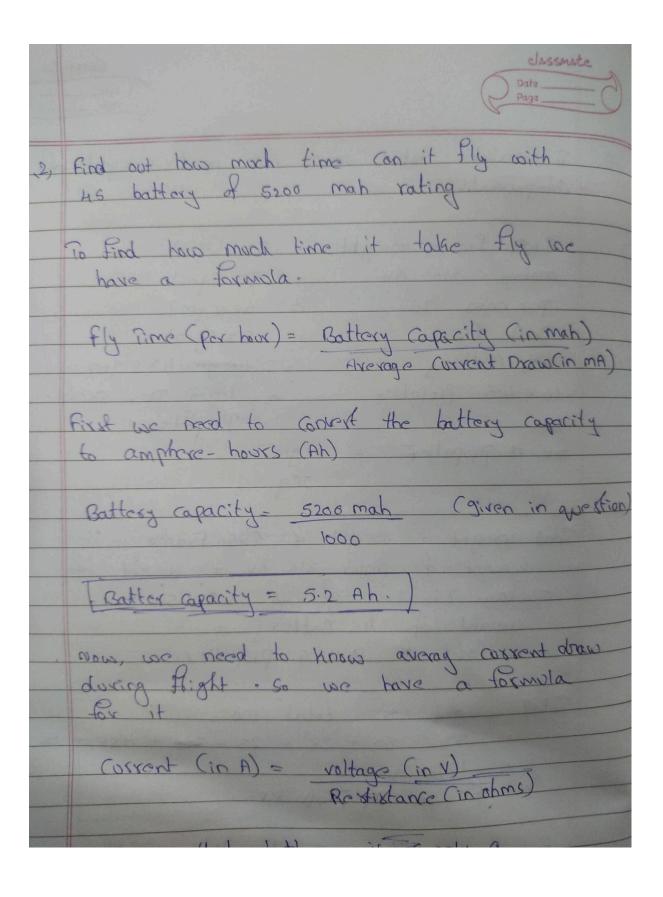
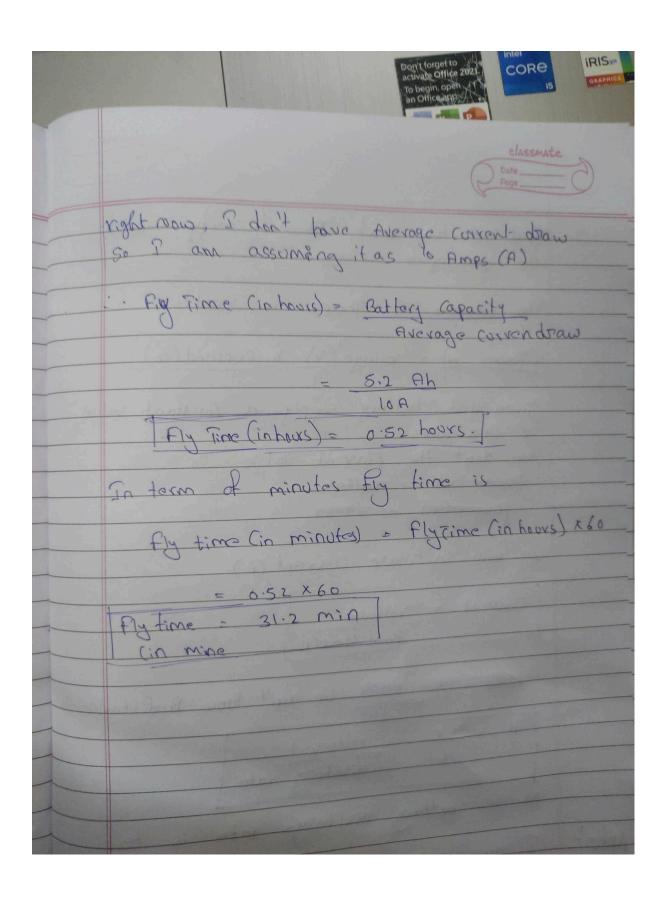
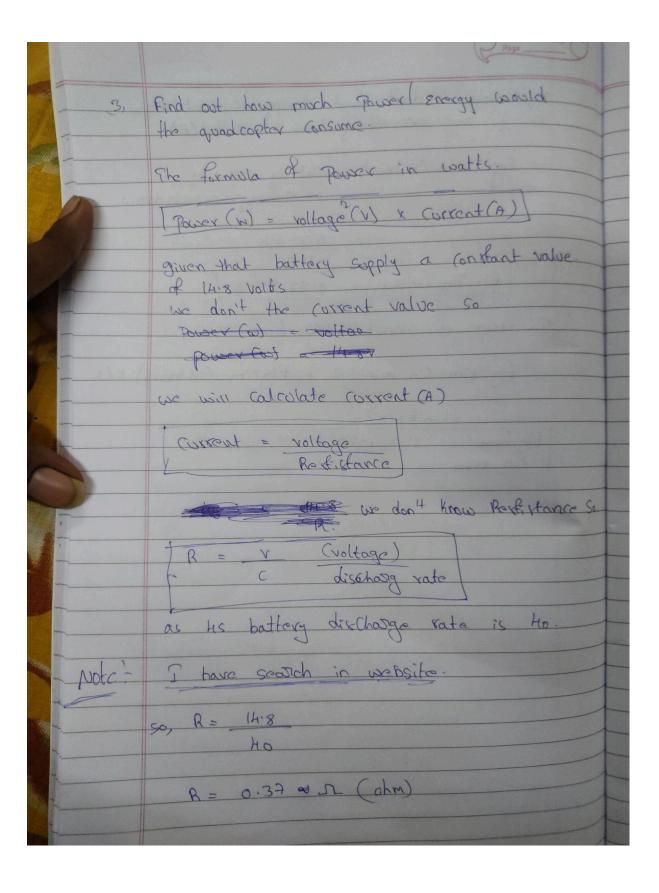
A) Calculate the total mass.

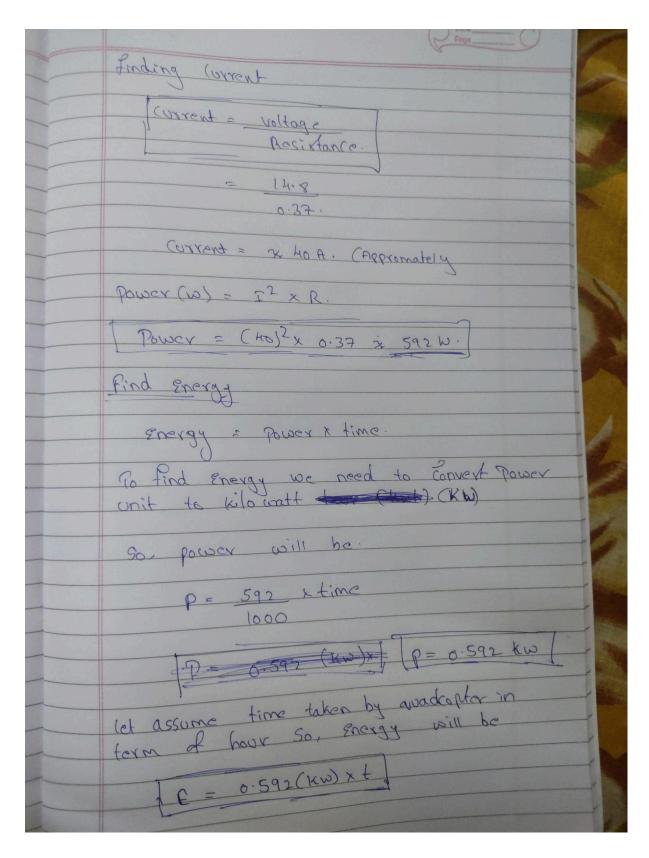


To calculate total mass we need weight of drope components. Q450 frame = 330 (gm) motor 810 KV = 80 (gm) Pinhaw21 = 38 gm 30A ESC = 23 gm 45 Battery = 360gm 10 × 4.5 propelier= 14 gm per Each - 14 x #4 Total weight = weight of DH50 Frame + mot weight of motor Bloky + weight of Bloky + weight of pinhaw 2.1 + weight of SOAFSC + weight 45 Batter + weight of 10 x 4:5 propelier Total weight (or) total mass = 3309+ Rog+ 389+ 339+ 3609 + 569 887 gran. Note: Here I consider 45 Battery model as Based on question model Numb: - ORANGE 5200 (35-40. Total weight if we consider only one propeller according to sigure will be - 330 + 80 + 38+ 239 + 360 + 14 = 8459ram









NOTE I HAVE CONSIDER ALL VALUES FOR THE MODELS THAT YOU MENTIONED IN THE QUESTION

Sir i have poor handwriting try to understand it sir thank you sir.