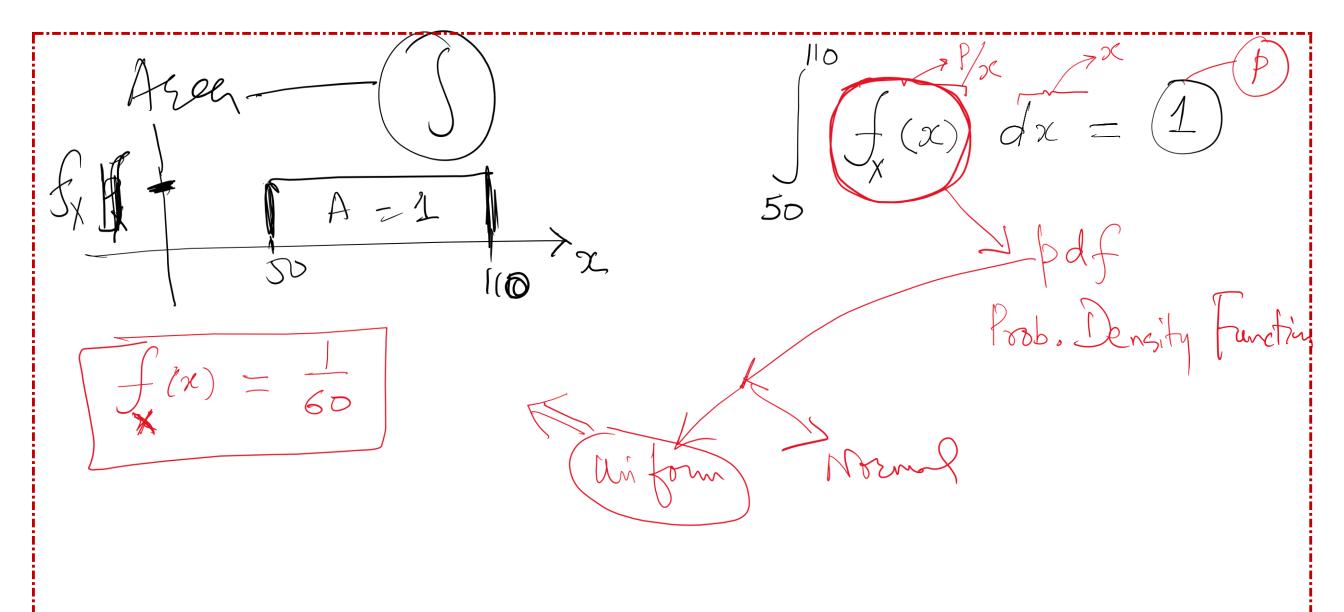
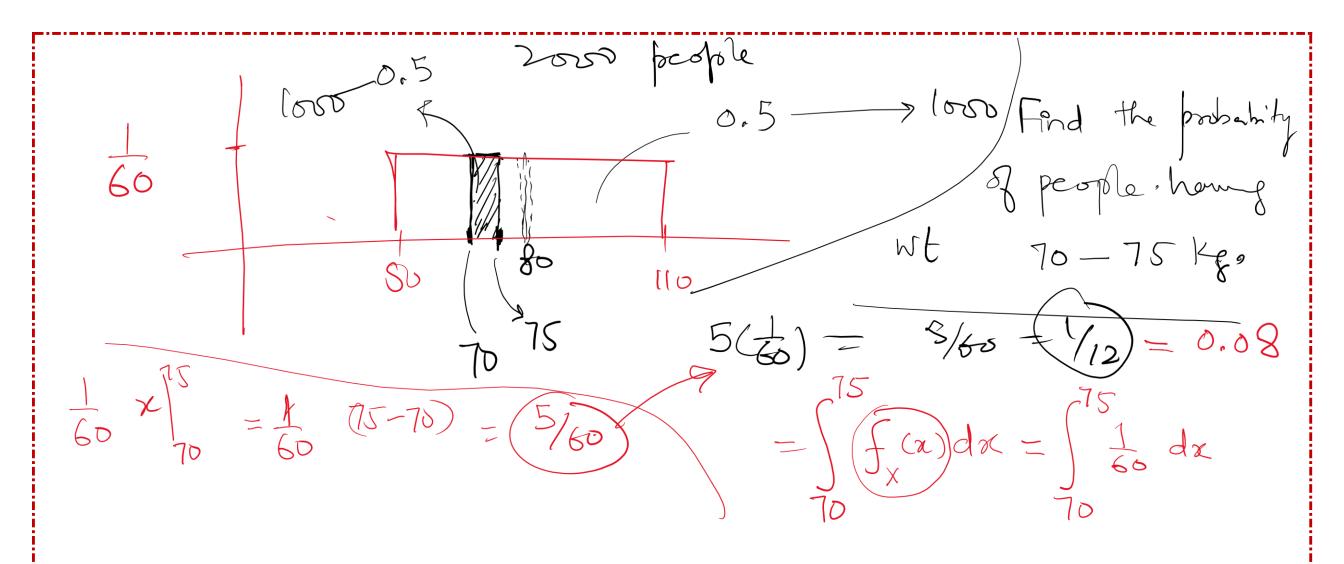
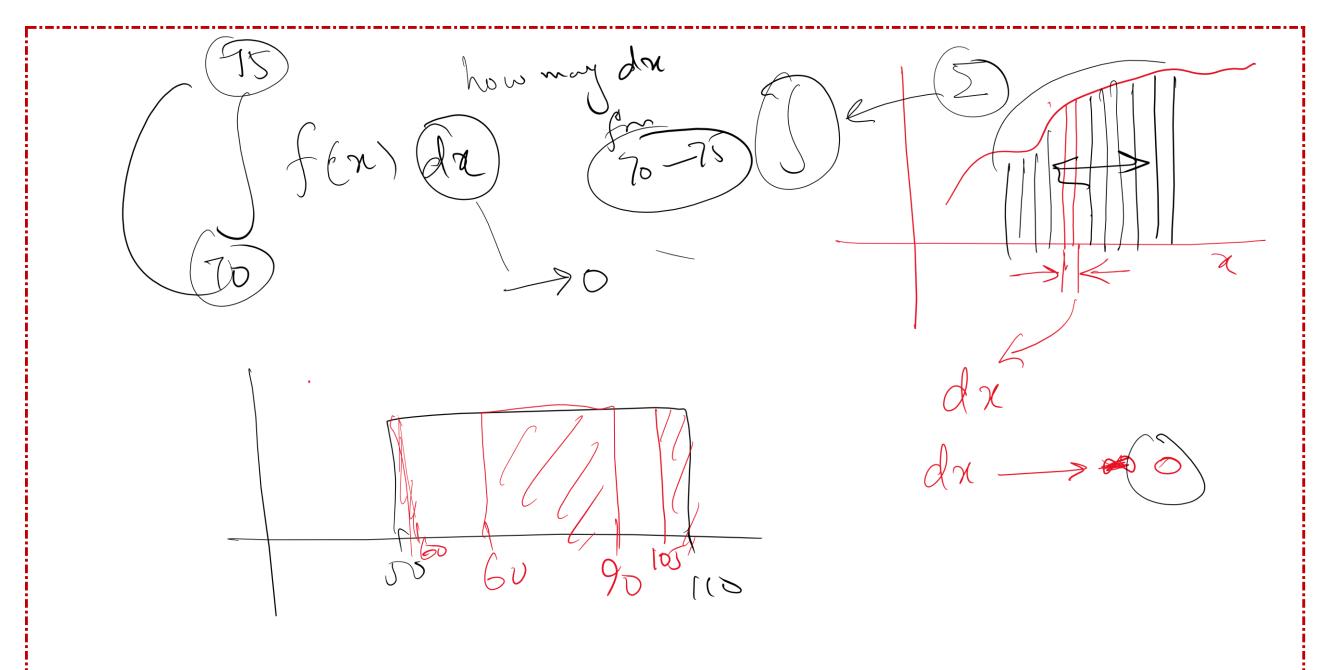
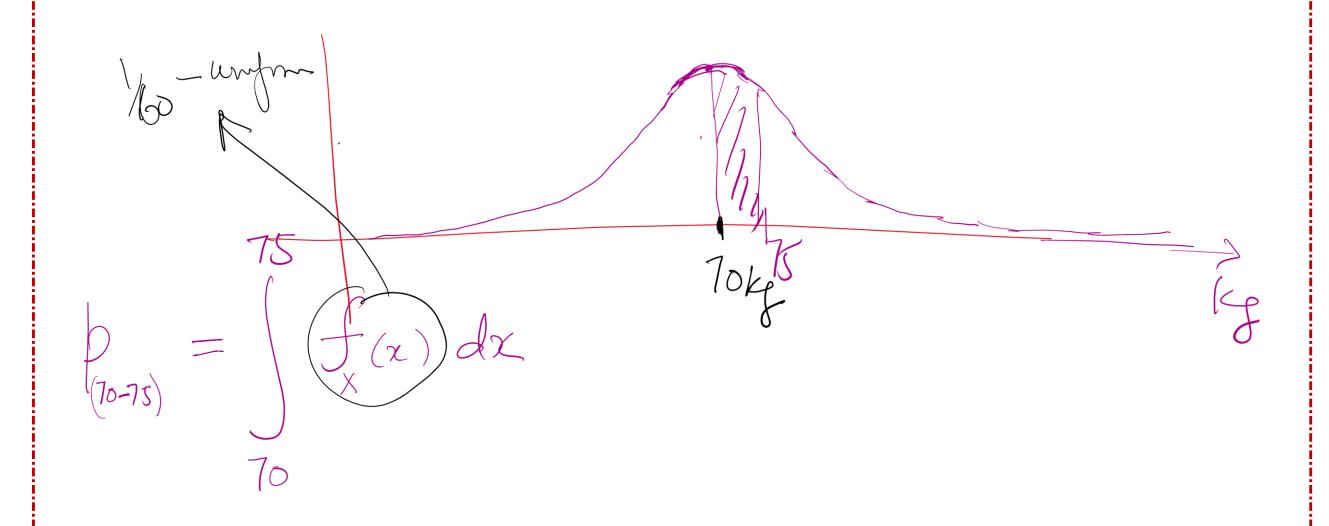


(60) (60) Prob. Denesity Populah Densty 1000/km

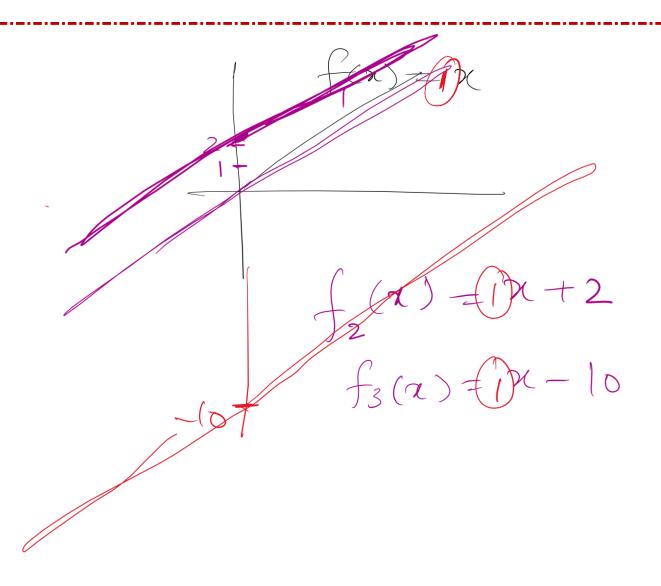


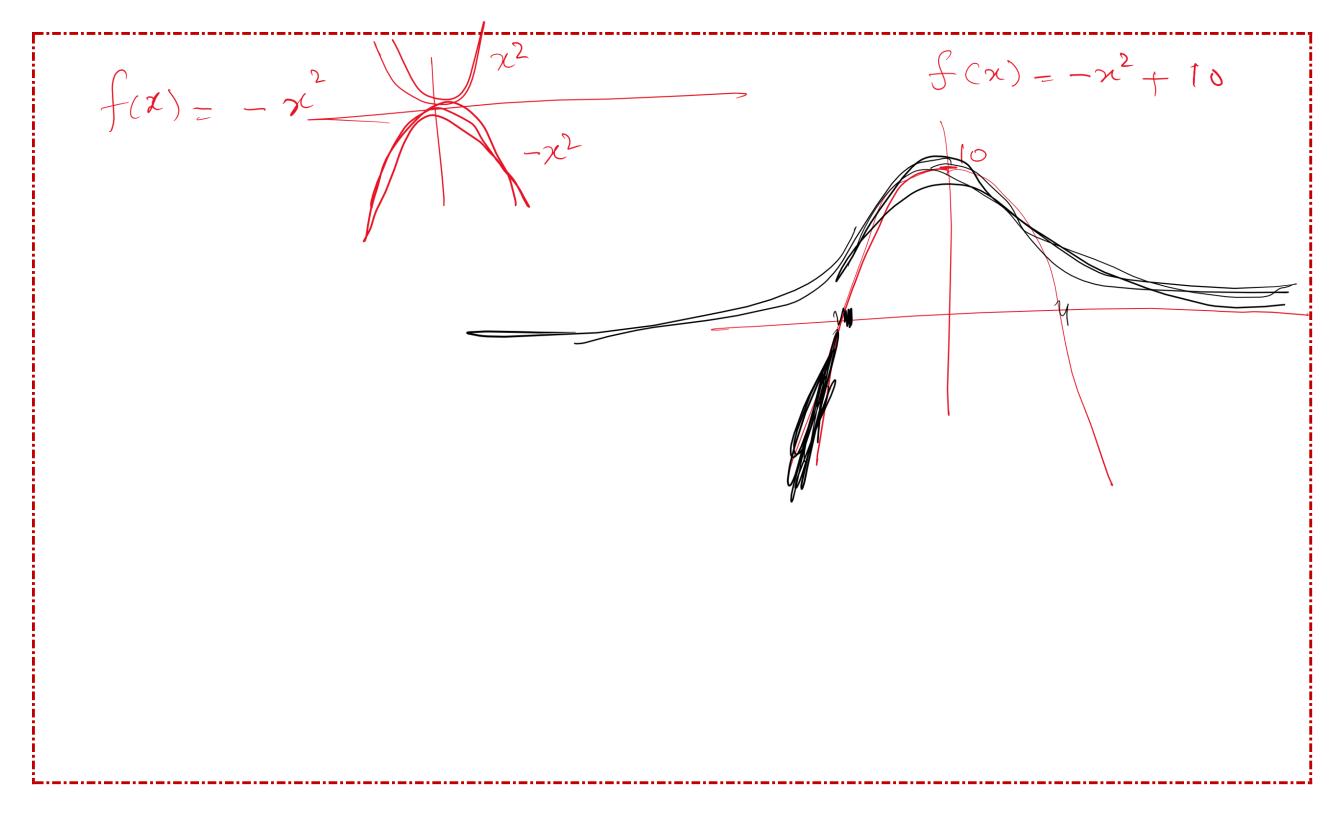


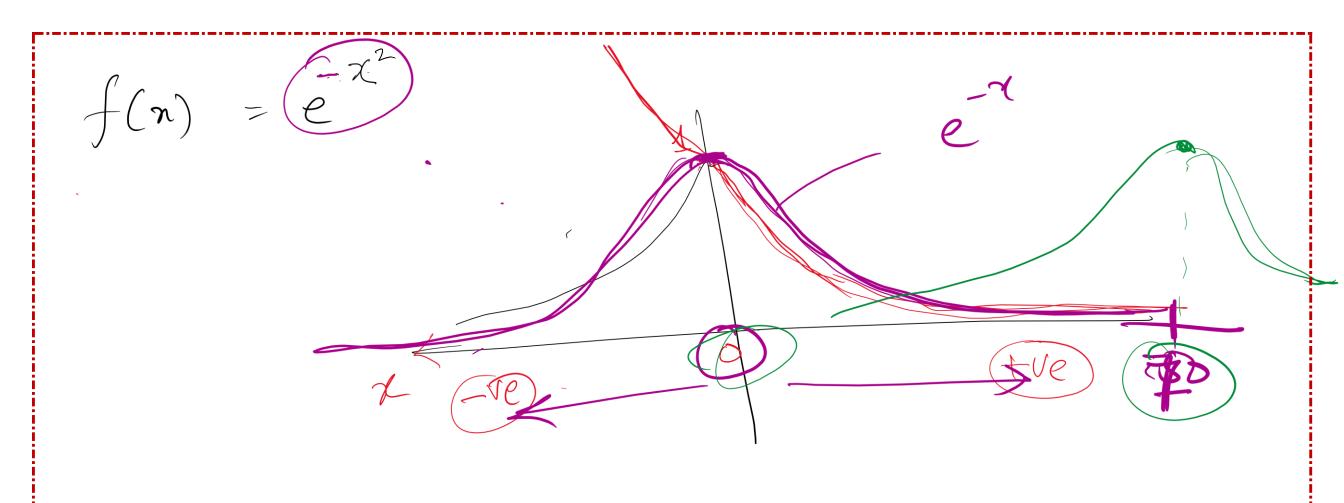


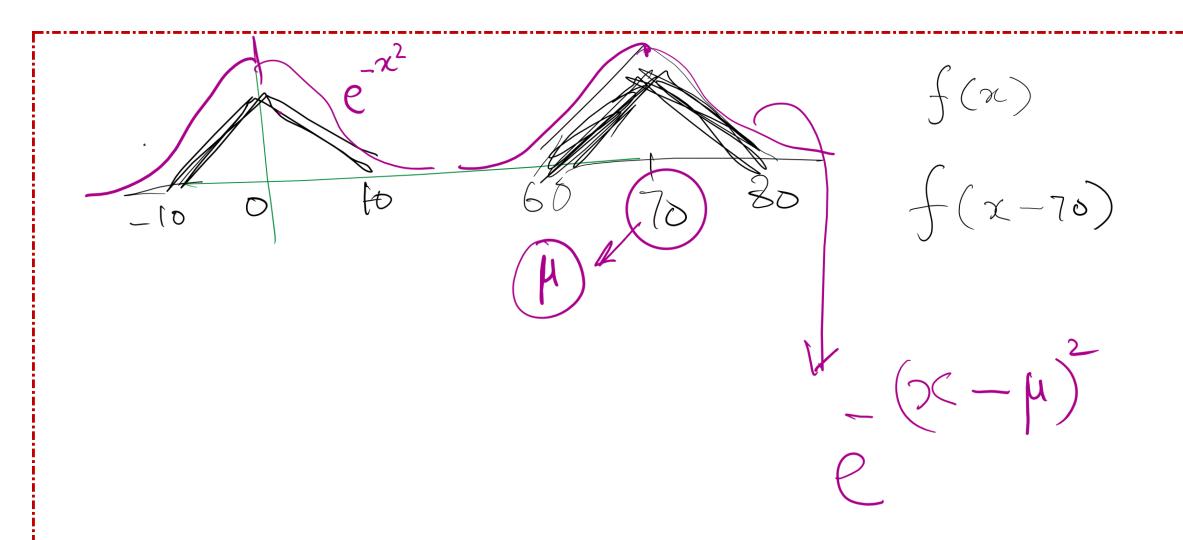


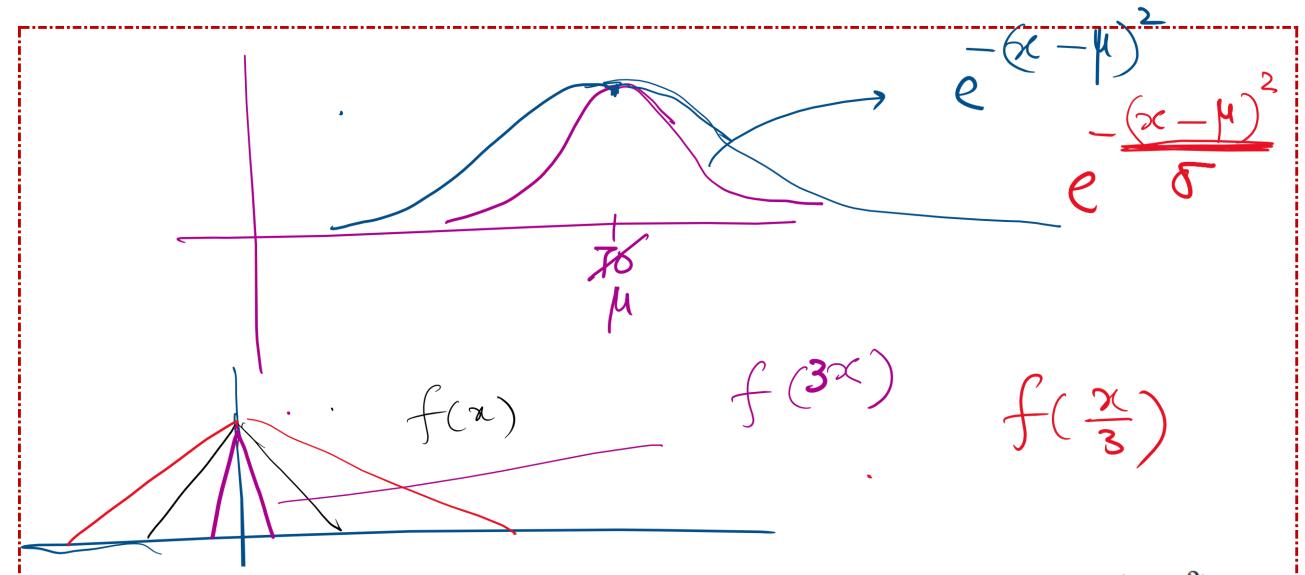
fex) = 10











The Probability Density Function (PDF) for a Normal $X \sim N(\mu, \sigma^2)$ is:

$$f_X(x) = rac{1}{\sigma\sqrt{2\pi}}e^{rac{-(x-\mu)^2}{2\sigma^2}}$$