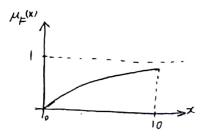
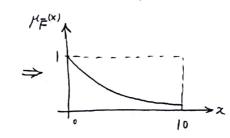
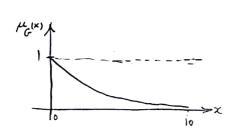
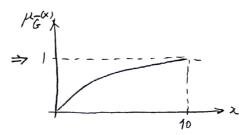
$$\mu_{\bar{F}}(x) = 1 - \mu_{\bar{F}}(x) = 1 - \frac{x}{x+2} = \frac{2}{x+2}$$



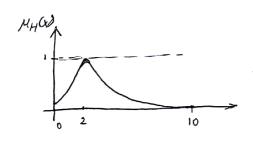


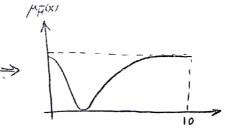
$$\mu_{\bar{c}}(x) = 1 - \mu_{\bar{c}}(x) = 1 - 2^{-x}$$





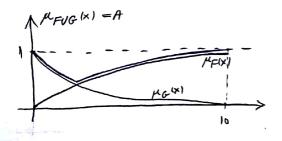
$$f_{H}^{\mu}(x) = \frac{1}{1+10(x-2)^{2}} \Rightarrow f_{H}^{\mu}(x) = 1 - \frac{1}{1+10(x-2)^{2}}$$

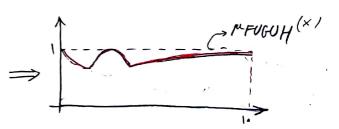


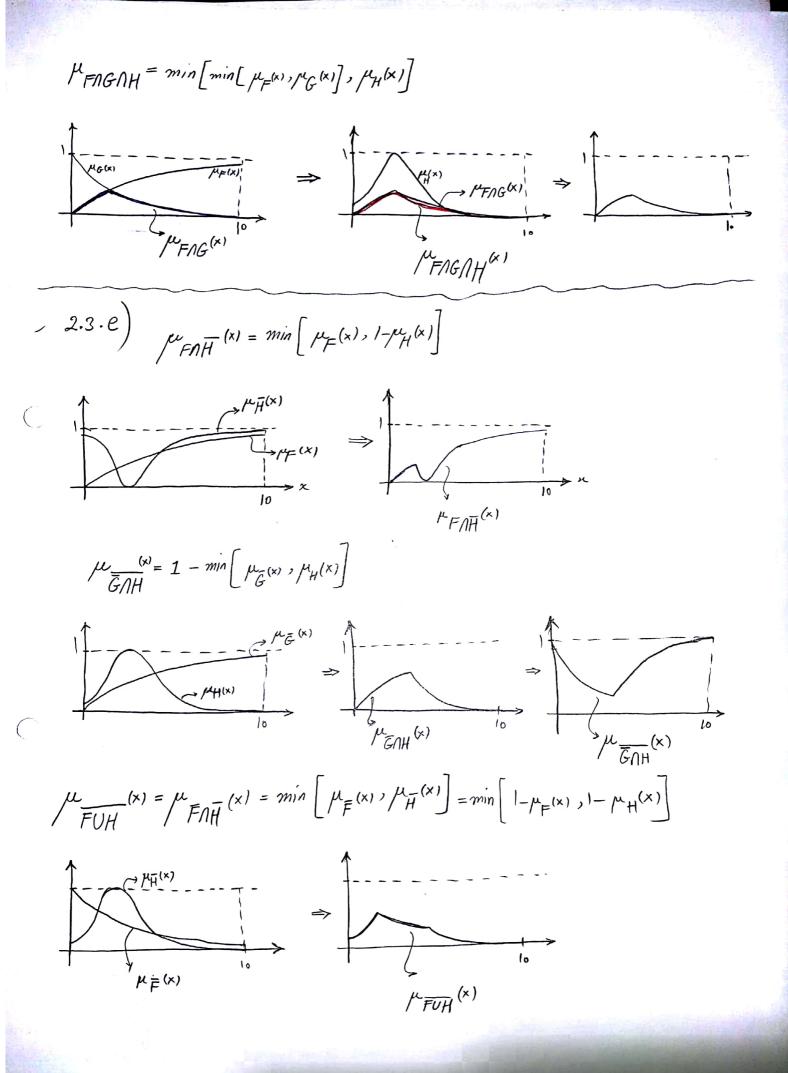


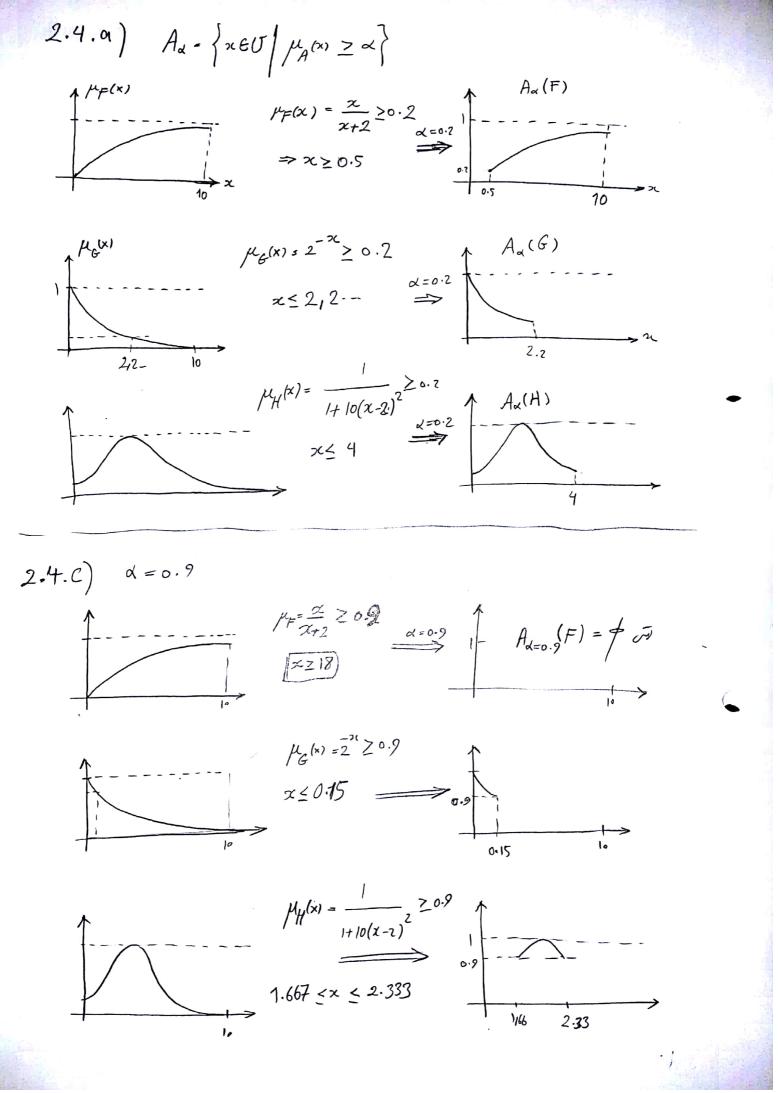
2.3.d)

$$\mu$$
 $FUGUH$ 
 $(x) = max \left[ \max \left[ \mu(x), \mu(x) \right], f'H(x) \right]$ 









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$$\mu_{AH_{1}}^{(x_{2})} = \sup_{\alpha_{1} \in [-1,1]} \mu_{A}^{(x_{1},x_{1})} = e^{-x_{2}^{2}}$$

$$\mu_{AH_{2}}^{(\alpha_{1})} = \sup_{x_{2}[-3,3]} \mu_{A}(x_{1},x_{2}) = e^{-x_{1}^{2}}$$

denotes the maximum

value of the function  $M_A(x_1,x_1...x_n)$  when  $x_1$ takes values in  $\mathbb{R}$ .

2.6) Show that the law of excluded middle,  $FU\overline{F} = U$  is not but, if F is a Fuzzy set.

