

$$[60, 100] \rightarrow [60, 5] \leftarrow$$

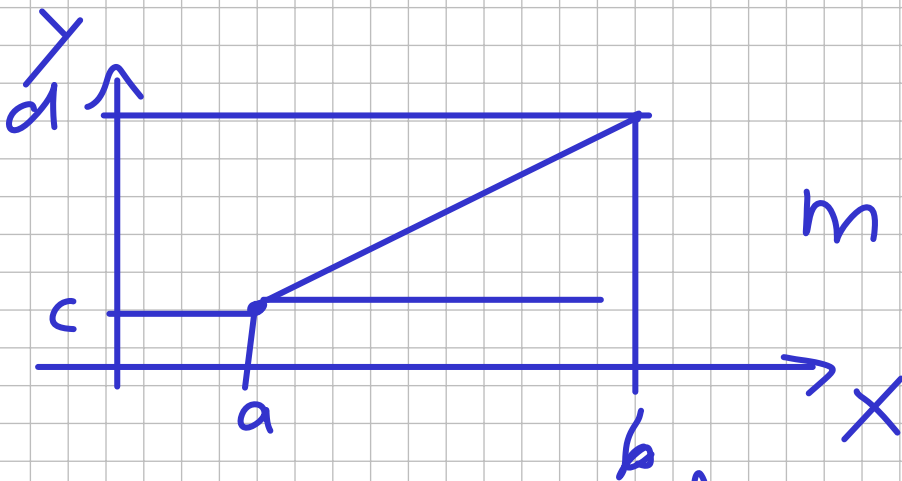
$$f_1(x) = x - 60 \quad [0, 40]$$

$$f_2(x) = \frac{x}{40} \quad [0, 1]$$

$$f_3(x) = x \cdot (-55) \quad [0, \overset{-55}{\cancel{100}}]$$

$$f_4(x) = x + 60$$

$$\begin{aligned} & \cancel{[5, 60]} \\ & [60, 5] \end{aligned}$$



$$m = \frac{d-c}{b-a}$$

$$q = c - am$$

$$\underline{a \cdot m + q = c}$$

$$[a, b] \xrightarrow{f} [c, d]$$

$$f(x) = \frac{x - a}{b - a} \cdot (d - c) + c$$

def linear(a, b, c, d, s):

return (s-a)/(b-a)*(d-c)+c