

Assignment of

lowest value = 58
highest value = 202

values

that used to draw the graph.

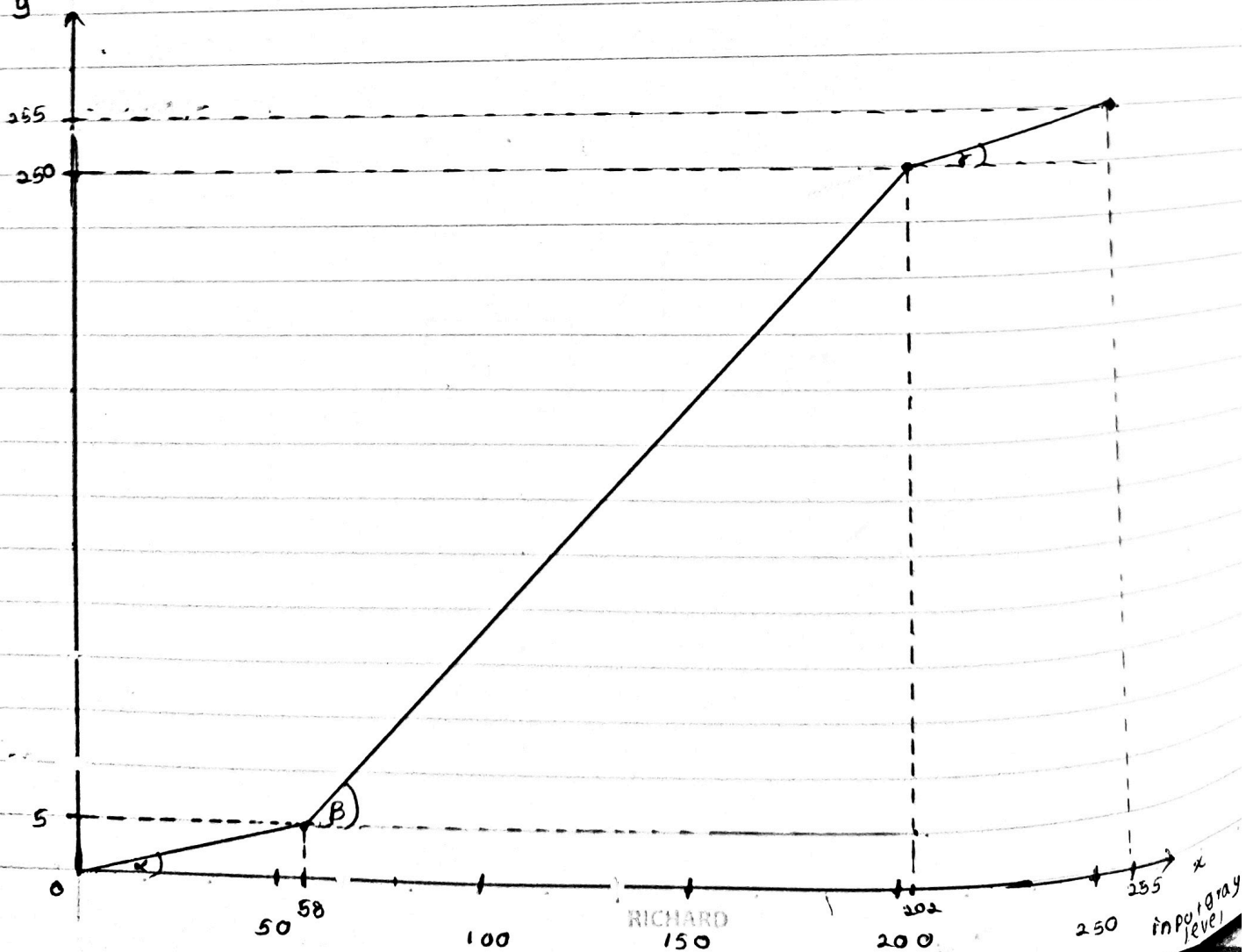
$$b = 202$$

$$a = 58$$

$$c = 5$$

$$d = 250$$

$$P_{out} = (P_{in} - c) \left(\frac{b - a}{d - c} \right) + a$$



$$P_1 = \left(\frac{5}{58} \times x \right) ; 0 \leq x \leq 58$$

$$P_2 = \left(\frac{250-5}{202-58} \right) (x-58) + 5 ; 58 < x \leq 202$$

$$P_3 = \left(\frac{255-250}{265-202} \right) (x-202) + 250 ; 202 < x \leq 255$$

function:-

$$\begin{cases} \left(\frac{5}{58} \right) x & ; 0 \leq x \leq 58 \\ \left(\frac{245}{144} \right) (x-58) + 5 & ; 58 < x \leq 202 \\ \left(\frac{5}{53} \right) (x-202) + 250 & ; 202 < x \leq 255 \end{cases}$$