- b) Find the fuzzification of bad(x)
- e) Find good(x) 1 bad(x)
- d) Find good(x) V bad(x)
- e) Find the value of ((good (75) AND NOT (bad (55))

Ans:

Fuzzification of good (x):

1.0f

b=1

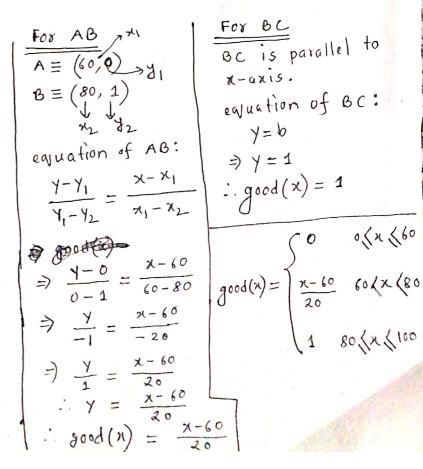
60 80 100

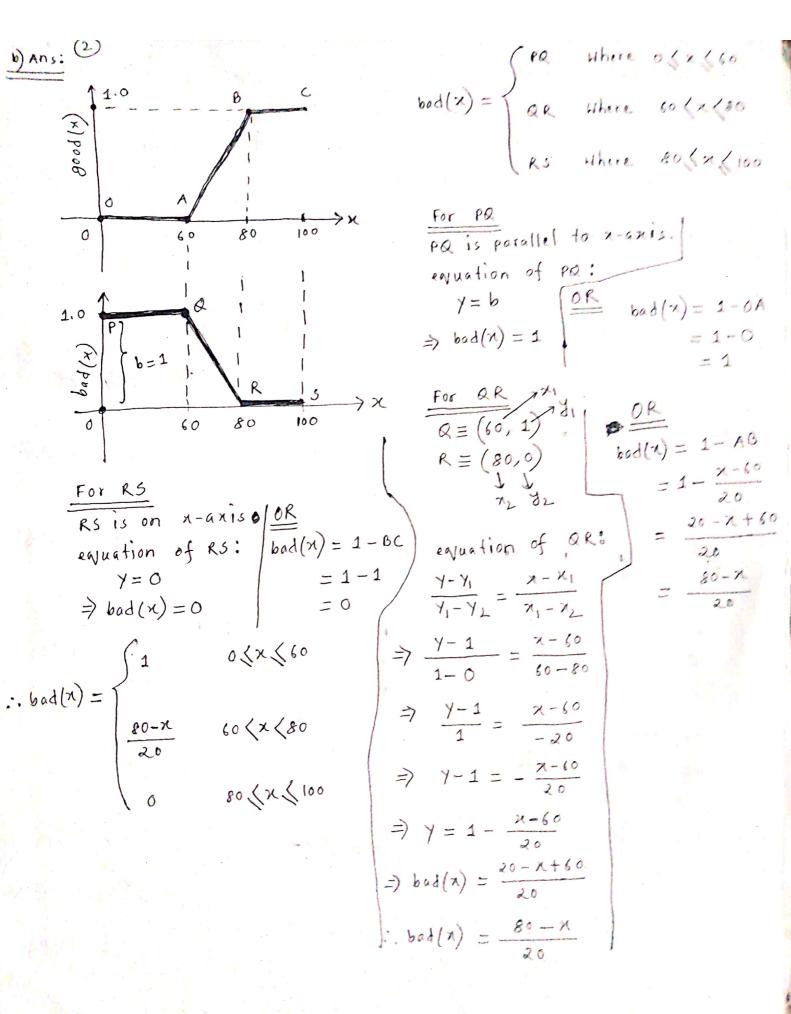
 $good(x) = \begin{cases} 0A & \text{where } 60 < x < 80 \\ BC & \text{where } 80 < x < 100 \end{cases}$

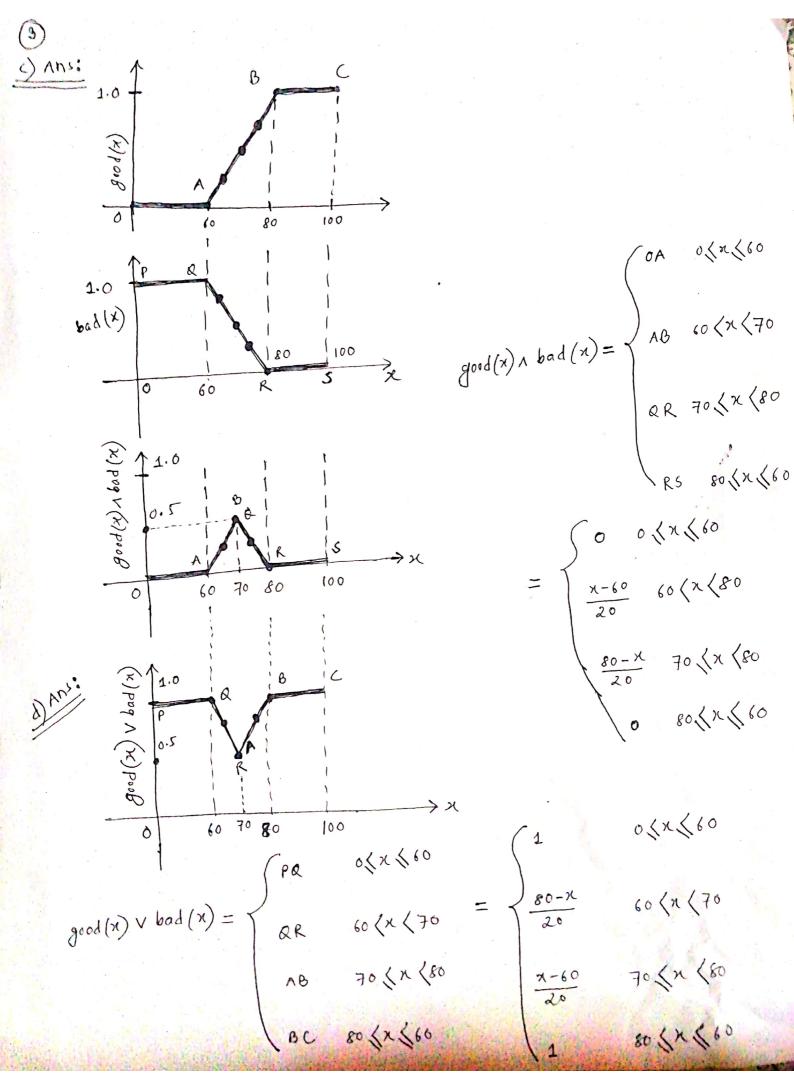
For OA

OA is on x-axis.

equation of A: Y = 0 Y = 0 Y = 0







Scanned with CamScanner

e) Ans:

$$good(75) = ?$$
 $bad(55) = ?$
 $x = 75$
 $x = 55$

$$good(x) = \frac{x - 60}{20}$$

$$= \frac{75 - 60}{20}$$

$$= 0.75$$

.. o <x < 60 is applicable

 $bad(\pi) = 1$