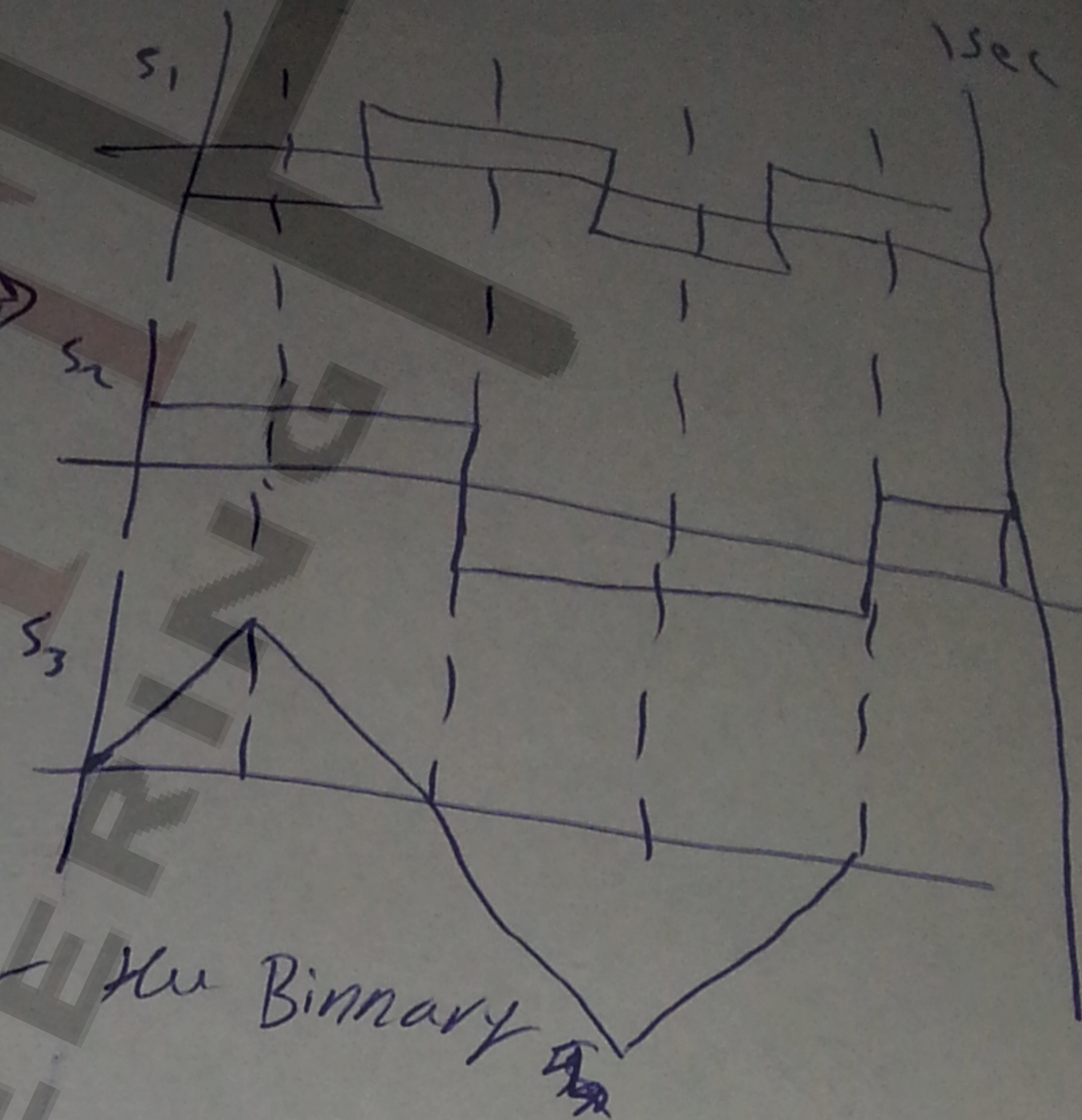


Q1 Given 3 signals with Amp. (1, -1) (20ms 10)

1 Find

$$\left. \begin{aligned} S_{12} &= 0 \\ S_{13} &= 0 \\ S_{23} &= -\frac{\pi}{4} \end{aligned} \right\}$$

البيانات  
المستقبل  
التي لا تملك



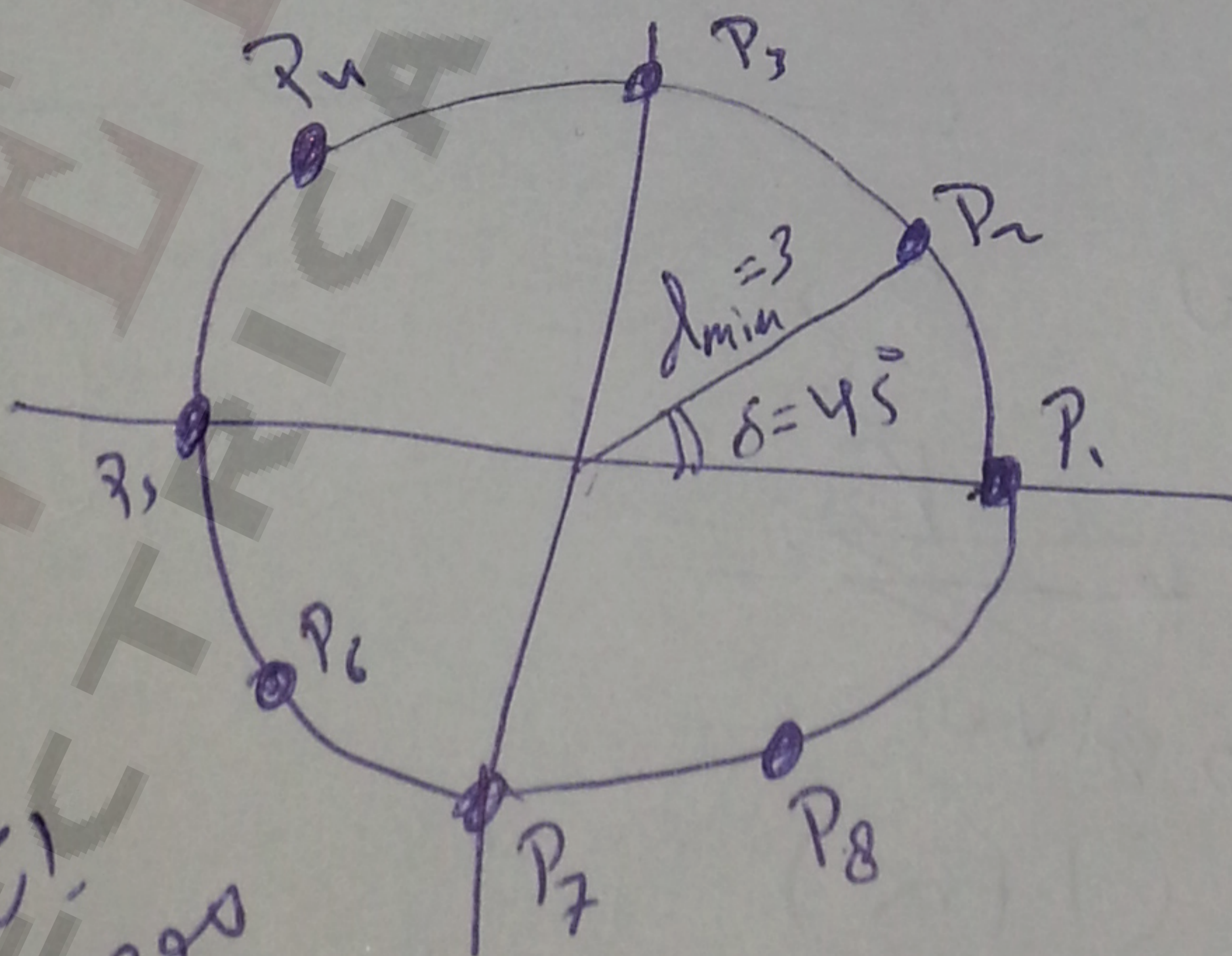
2 Which of the signals is better for the Binary Tx ?? and why ??

3 Draw the match filter to choose of signal ?? depend on your answer

Q2 :- given 8-PSK with  $R_b = \square$  and  $d_{min} = 3$  and  $f_T = 1\text{MHz}$  and PSD for noise  $= 5 \times 10^{-5}$  and  $R_{C_{0/2}}$  (20ms 8)

1 Draw the constellation diagram and name it.

gray code



$$\delta = \frac{360}{8} = 45$$

$d_{min} = 3$  given

P1	0	0	0
P2	0	0	1
P3	0	1	0
P4	0	1	1

P5	1	1	1
P6	1	1	0
P7	1	0	1
P8	1	0	0

البيانات  
المستقبل  
التي لا تملك

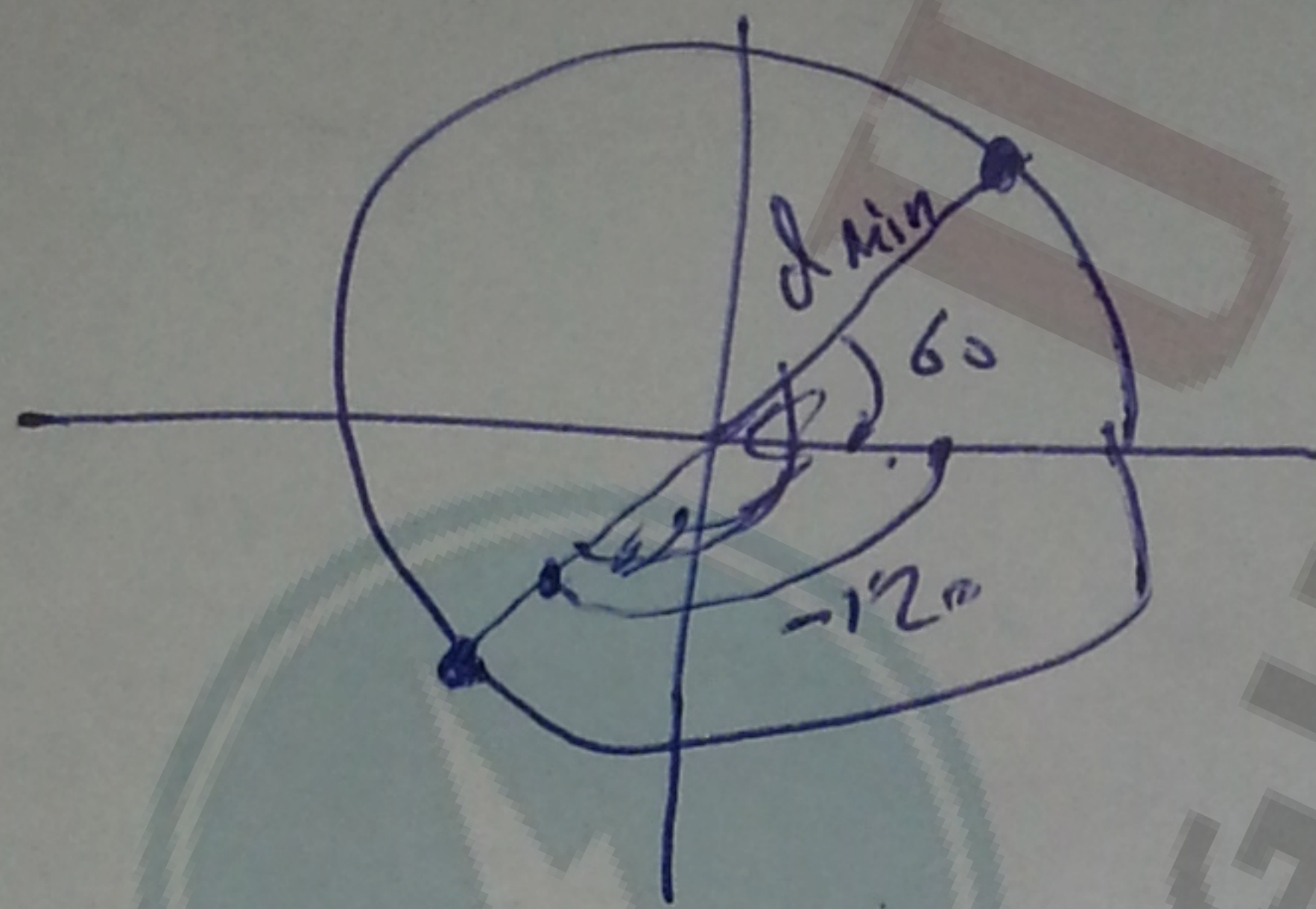
Comm. 2  
by Anas Katta

Q3

Given DPSK with the table

X	DQ
0	$\pi/3$
1	$-\frac{2\pi}{3}$

1 draw the constellation and name it.



دائرة  
من طرف

2 draw the coherent Rx for DPSK ??

بالمنهج

??

Q4

T or F

6 كلاس

كانو كلاس  
بتجارب  
4/6

اذا قارن المنهج قرائة  
المنهج

End

by Anas Kata