SECTION - A

Q1. Find two national numbers between 4 and 5. solutions

4 = {xs and s= {xs i-e, 4 = 20 and 5 = 25

The numbers are all and and

Q2. Find the value of k, if 2011 is a factor of the polynomial Gnit 1xx-2.

Solutions 2x-1 is a factor of p(x1 = 6xx+kx-2

> =) P(=1=0 =) 6. 1 + 6. 1 -2 -2 20

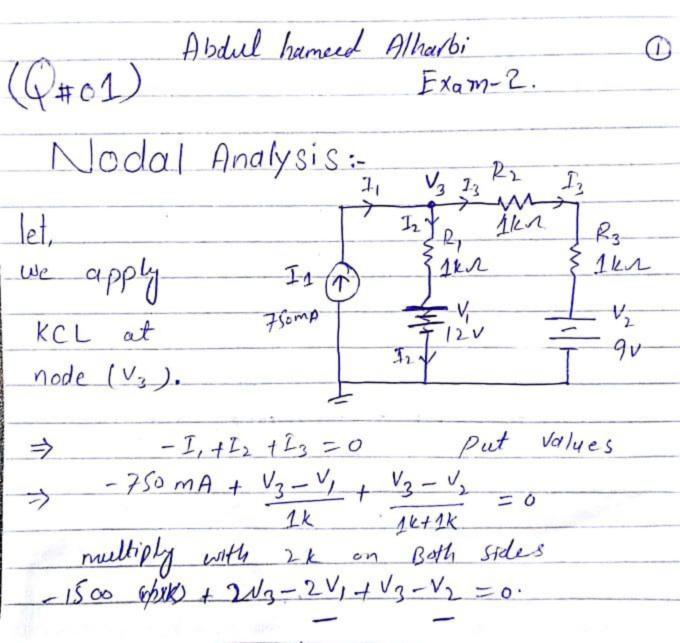
=) K=1 Q3. Find one solution of 4-5=0 in a Castesian plane.

Solution: 4-5 =0 =) 4=5

:. (0,5), (1,5), (2,5) any one. Q4. Constanct an acute angle and draw its bisector.

solution: Here we are taking an acute angle of 60°.

be and AD is the bisector of acute angle.



Questian No 1 to 4 carry mails each. 1. 21. A is a square makin of order 3 with IAI = 4 Then what is the value of 1-9A1 |-9A|= (-9)3 |A| = -8 (4) = -32 21- y = sin x + cer x

 $y = \frac{\pi}{2} \left[\cdot \cdot \sin^2 x + \operatorname{Cen}^{-1} x = \pi \right]$ $\frac{dy}{dx} = 0.$

write order and degree $\left(\frac{d^4y}{dx^4}\right)^2 = \left[x + \left(\frac{dy}{dx}\right)^2\right]^2$

> Order = 4 degree = 2