

## **Assignment 1**

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Section: 02

**Course Name:** Computer Graphics

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## 1 No ans

Here,

Now,

$$m = \frac{9}{5} = 0.8$$

$$2Ay = 2\times 4 = 8$$
  
 $(2Ay - 2Ax) = 8 - 2\times 5$   
 $= -2$ 

plot the 1st point (2,y) = 9,18

K	Pis	20,19	
0	3	10,19	
1	1 .	11,20	
2	-	12,20	
3	7	13,21	
4	5	19,22	

Herre Ph = 3 Fon Pb > 0, Po+1 = 3+1-2=1 = 1 = (1) 20  $P_{k}=1$  for  $P_{k}>0$ ,  $P_{k+1}=1-2=-1=>(12.20)$  $P_{k} = -1$  for  $P_{k} < 0$ ,  $P_{2+1} = -1 + 8 = 7 \Rightarrow (13)$ 94=7 For PK>0, P3+=7-2=5=(19,7-2)

## Ans.

Now, 
$$p_{0} m = \frac{A8}{Ax} = \frac{7-1}{8-1} = 0.8$$

+	n	J.	R(n)	K(A)
01239567	12395678	1.8 2.4 2.5 5.6	12395678	12337567

Here, .: m=0.8<1 , n=2+1, y=y+m

Now,

FOR K= FAR

FOR  $N=1 \Rightarrow N=1 + 1 = 2$ ,  $y=1 \Rightarrow y=1 + 0.8 = 1.8$ FOR  $N=2 \Rightarrow N=2 + 1 = 3$ ,  $y=1.8 \Rightarrow y=1.8 + 0.8 = 2.6$ FOR  $N=3 \Rightarrow N=3 + 1 = 4$ ,  $y=2.6 \Rightarrow y=2.6 + 0.8 = 3.4$ FOR  $N=4 \Rightarrow N=4 + 1 = 5$ ,  $y=3.4 \Rightarrow y=3.4 + 0.8 = 4.2$ FOR  $N=5 \Rightarrow N=5 + 1 = 6$ ,  $y=4.2 \Rightarrow y=4.2 + 0.8 = 5$ FOR  $N=6 \Rightarrow N=6 + 1 = 7$ ,  $y=5.8 \Rightarrow y=5.8 + 0.8 = 6.6$ FOR  $N=7 \Rightarrow N=7 + 1 = 8$ ,  $y=5.8 \Rightarrow y=5.8 + 0.8 = 6.6$ 

## 3 No Ans

he know

Now

For Polo and the next point (18)

FOR P, <0 and the next point (2,8)

FOR P270 Graf the west point (3,7)

FOR PS<0 and the rest point (9,3)

FOR Payo and the next point (5,5)

For Ps and the likest point (6,5)

i K is greater y

R	PK	UK11 / Ylst1	2 (UKH)	2 (724)
0	-7	(18)	2	16
1	-4	(2,8)	9	16
2	7	(37)	6	14
3	-6	(7,7)	8	19
9	2	(5,6)	10	12
5	. 2	(6,5)	12	10