



Sessional 1 Examination – Semester Spring 2021

Course Title:	Computer Graphics				Course Code:	CSD304	Credit Hours:	3(2,1)
Course Instructor/s:	Aamer Mehmood				Programme Name:	BS Computer Sciences		
Semester:	5 th	Batch:	SP17-BCS	Section:	A,B,C	Date:		
Time Allowed:	1 Hour				Maximum Marks:		15	
Student's Name:					Reg. No.	CIIT/SDP-SP()-BCS- /LHR		
<u>Important Instructions / Guidelines:</u>								
<ul style="list-style-type: none">• Use proper indentation, comments, naming conventions and self-explanatory names if you want to secure better marks.								

Question 1: Find the intersection point and clip the line using Figure (1). (5 marks)

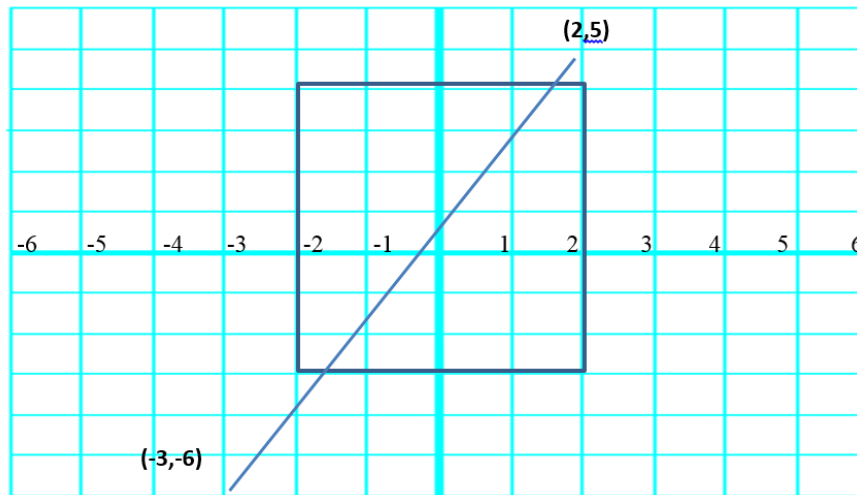


Figure 1.

Question 2: Draw the line between (1,1) and (7,9) using Bresenham's line drawing algorithm. (5 marks)

Question 3: Suppose RGB raster system is to be designed using on 8 inch X 10 inch screen with a resolution of 100 pixels per inch in each direction. If we want to store 6 bits per pixel in the frame buffer, how much storage (in bytes) do we need for frame buffer? (5 marks)