

BRAC University (Department of Computer Science and Engineering)

CSE 423 (Computer Graphics)

Quiz 1

Student ID:

Full Marks: 20

Name:

Duration: 25 minutes

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[No extra sheet will be provided. Write your answer to the questions in this answer script.]

[Marks allocated to each question is given in the statement of corresponding question.]

**Consider a line having following endpoints from (43, -423) to (0, 0) and answer the following questions:**

1. Find out the zone of the line. [2]
2. Convert the above endpoints of the line to zone 7. [6]
3. Find out the total number of intermediate pixels of the line that can be found using midpoint line drawing algorithm excluding the endpoints. [4]
4. Find out the first 6 pixels using the midpoint line drawing algorithm. [8]

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