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JIS College of Engineering
B. Tech (Information Technology)-5th Semester
Computer Graphics Assignment for Laboratory

Paper Code: IT-505C   Assignment ID: Soham/OSem/2015/IT505C/0004

ℐam: _____

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My Full Signature:

1. Digitize a Line from (10, 12) to (20, 18) using Bresenham's Line drawing Algorithm.
   a. Tabularize results of each iteration.
   b. Now verify, with a Turbo C program which implements Brensenham's line drawing Algorithm, whether the points you plotted are same as found out by the program

2. Prove that $R(\theta_1) \cdot R(\theta_2) \equiv R(\theta_1 + \theta_2)$, where **R(θ) represents Rotation operation by an angle θ**

3. Prove or disprove: $S(a, b) \cdot S(c, d) \equiv S(a*c, b*d)$, where S (f_X, f_Y) represents Scaling operation.

4. Prove or disprove: " Rotation about the origin by 180° is equivalent to reflection about the origin"

I suggest you to improve on: