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Selected Problem Set 3

1. Suppose we have a square window with lower-left corner $(0,0)$ and upper-left corner $(10,10)$. Clip the segment defined by endpoints $(-1,0)$ and $(15,13)$ using Cohen-Sutherland's algorithm. Show your calculations.

2. Clip the same segment against the same window this time using Liang-Barsky's algorithm. Show your calculations.

3. Clip the same segment against the same window this time using the Midpoint Division method. Show your calculations.

4. Write an algorithm that performs Raster-Scan polygon filling for any type of 2D polygon.

5. Write the Midpoint Division method algorithm in a recursive manner.