Final Exam / Second Trail

Note : Answer only FOUR question

Q1: Write a Visual Basic program to Shear the points on the Y axis:
    A (120,5)  
    B (30,200)

    by ShY=5 , Using matrices

Q2: Perform perspective projection to the shape defined by the points
    A (5 , 10 , -5)  
    B(5 , 10 , -10)
    C (10 , 10 , -7)  
    D(7 , 5 , -7)

    on the XY plane, taking the viewing point Z=3, by using matrices

Q3: A:
    What is the deference between Raster refresh display and Storage tube display?

    B:
    Rotate the shape (6,1) , (8,1) , (6,3) , (8,3) around its center.

Q4: Find a single matrix to scale the shape A(-3,2,7) , B(-3,-2,7) , C(0,0,0)
    by SX=2 , SY=3 , SZ=1. Then shear the object on Z axis
    where ShZ1=3 and ShZ2=3, calculate the final result.

Q5: Draw the line start from (30,36) and end at (35,36) by using general
    Bresenham algorithm.

Good Luck