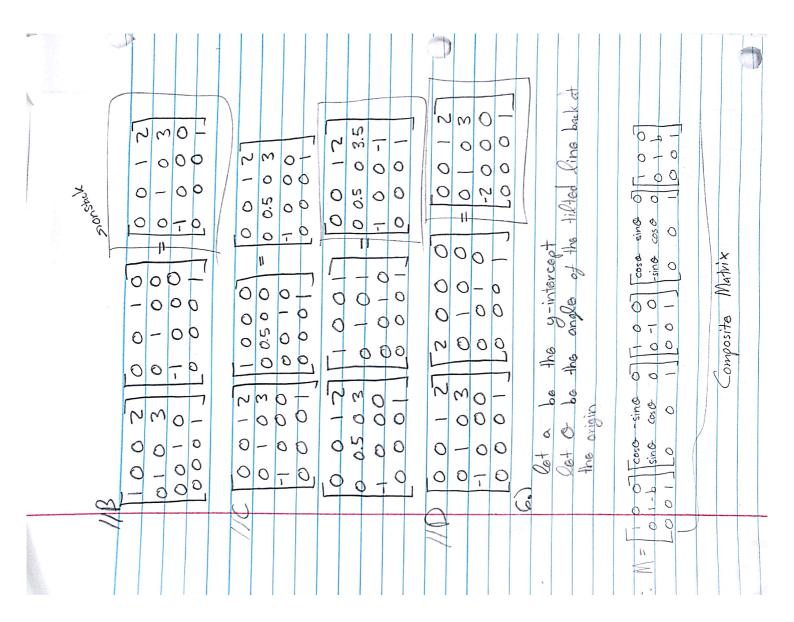


Scalo (1,1,2) Trans (1,1,1) 01000 0101 model Matrix. set As Identity

M = model Matrix \* Scale (1,1,2);

M = M \* Translate (1,1,1); 4.) [2 10 8 4] => [2/4 10/4 8/4 4/4] => => [0.5 2.5 2 I]T 5.) 1/A 1/13 



Open GL Commands.

model Matrix = set As Identity ();

model Matrix = model Matrix \* Translate (0, -b);

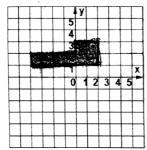
model Matrix = model Matrix \* Rotate Y(-0);

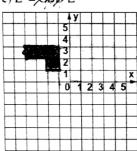
model Matrix = model Matrix \* Scale (1,-1); model Matrix = model Matrix \* Rotate Y (@).
model Matrix = model Matrix \* Translate (O, b); 7.) On Last Page -

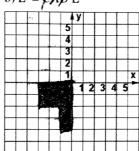


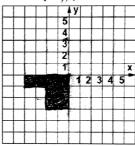
$$\mathbf{A} = \begin{bmatrix} 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}, \mathbf{B} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}, \mathbf{C} = \begin{bmatrix} 0 & -1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}, \mathbf{D} = \begin{bmatrix} -1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

a) L' = ABC'L









- a.) model Matrix. set As Identity();
  model Matrix = model Matrix \* Rotate2(90);
  model Matrix = model Matrix \* Translate (1,1,1);
  model Matrix = model Matrix \* Scale(2,1,1);
  draw Limodel Matrix);
- b.) model Matrix. set As Identity ();
  model Matrix = model Matrix \* Scale (-1,1,1);
  model Matrix = model Matrix \* Scale (2,1,1);
  model Matrix = model Matrix \* Rotate Z(90);
  draw L (model Matrix);
- c.) model Matrix. set As Identity ();
  model Matrix = model Matrix \* Scale (-1,1,1);
  model Matrix = model Matrix \* Translate (1,1,1);
  model Matrix = model Matrix \* Rotate (00);
  draw (model Matrix);
- do) model Matrix. setAs Identity();
  model Matrix = model Matrix \* Scale(-1,1,1);
  model Matrix = model Matrix \* Scale(z,1,1);
  model Matrix = model Matrix \* Rotate Z(90);
  model Matrix = model Matrix \* Rotate Z(90);
  model Matrix = model Matrix \* Scale(-1,1,1);
  draw L (model Matrix);