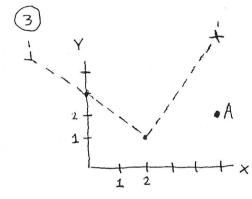
- (1) Show by multiplying the appropriate matrices together (homogeneous 2d coordinates) that a translation by (dx,dy) followed by a rotation by θ is not the same as rotating first and then translating (unless dx=dy=0 or $\theta=2k\pi$).
- 2) The x,y data defining an object is such that -2 \(\times \times \) and 7 < y < 15. We desire to stretch the data in X and then stretch it in y and then translate it so that it just barely fits on the screen:

 Show the equations necessary to do this.



IN the X-Y coordinate system, point A has coordinates (5,2). What coordinates does it have in the X'-Y' coordinate system?

Consider the square window shown below:

Give the new polygon that

is created when triangle

ABC is clipped to this

window.

