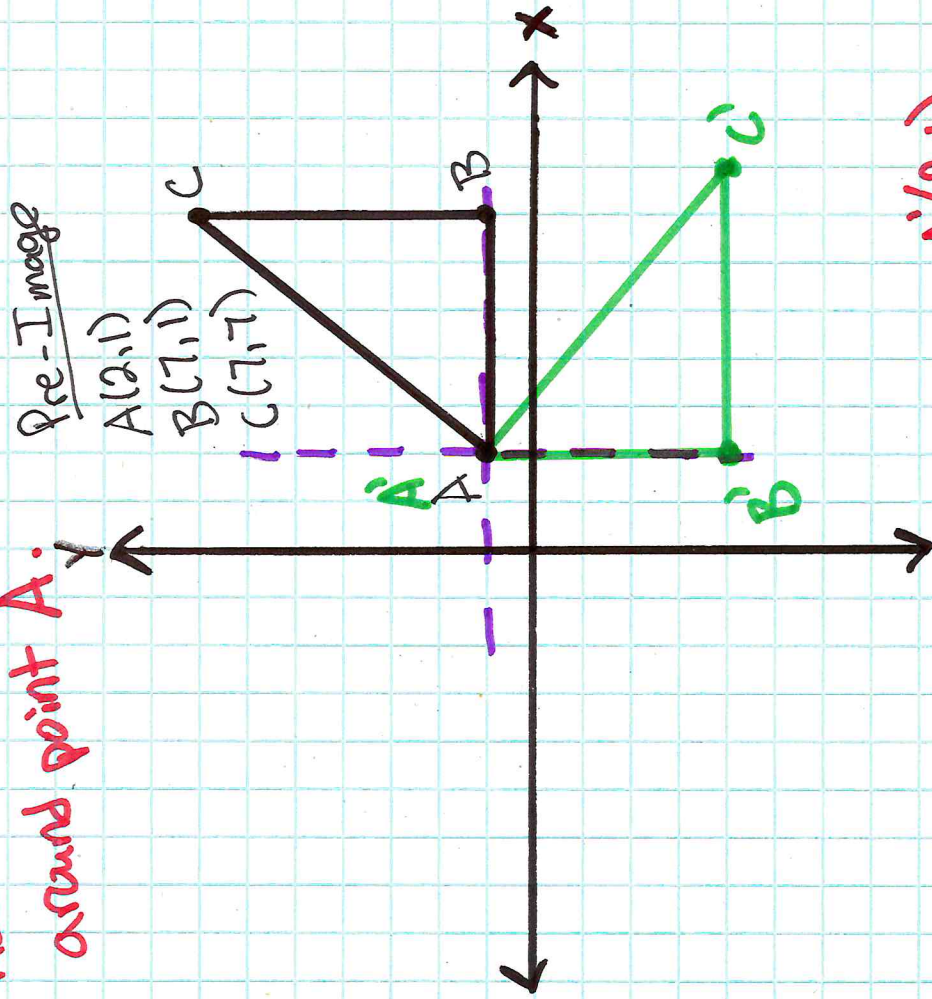


Rotating around a vertex.

Rotate CW 90°
around point A.



What stays the same? Why?

Point A b/c its the

Center of Rotation (C.O.R.)

$A \rightarrow A'$ Do Change

Create a "new temporary x+y axis"

@ point A (b/c A is C.O.R.)

Pretend A is the origin (0,0).

Apply SAME RULES for rotation.

$WP[(x,y) \rightarrow (y, -x)]$

New Temp. Pts

Image Pts. (C.O.R.)

$A(0,0) \rightarrow A'(0,0)$ No Change

$B(5,0) \rightarrow B'(0,-5)$

$C(5,6) \rightarrow C'(6,-5)$

Plot $A', B', \& C'$ from A (new origin).

*Note: The above points are NOT the actual coordinates of $A', B', \& C'$!