

1  $\triangle ABC \cong \triangle AB'C'$   
 $\therefore \text{Area } \triangle ABC = \text{Area } \triangle AB'C'$

2 (Pivot  $\triangle ABC$  90° clockwise about point A to get  $\triangle AB'C'$ )

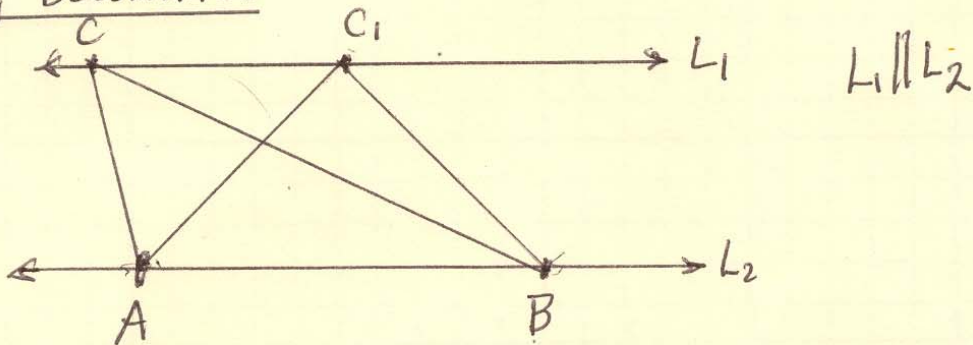
3 Slide  $B'$  down to  $B''$  to get  $\triangle AB''C$

Slide  $C$  up to  $B'$  to get  $\triangle ABB'$

4  $\text{Area } \triangle AB''C = \text{Area } \triangle ABB'$

Can I please have a "Q.E.D."?

Supporting Documents:



$\text{Area } \triangle ACB = \text{Area } \triangle AC_1B$  regardless of where  $C$  and  $C_1$  are on line  $L_1$ .