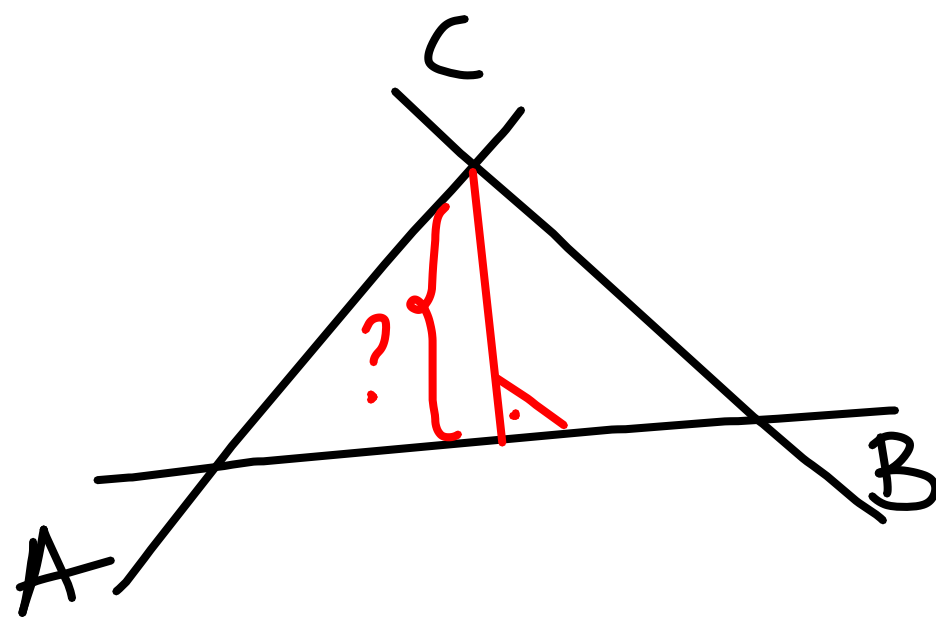


3.2.7



$$(AB): x+y+1=0$$

$$(BC): x+3y+3=0$$

$$(AC): 2x+3y=0$$

$$C = (AC) \cap (BC) \quad \therefore \begin{cases} 2x+3y = 0 & | \cdot 1 \\ x+3y = -3 & | \cdot (-1) \end{cases}$$

$$x = 3 \quad \rightarrow \quad 2 \cdot 3 + 3y = 0$$

$$y = -2$$

$$\Rightarrow C(3; -2)$$

$$d(C; (AB)) = \frac{|3-2+1|}{\sqrt{1^2+1^2}} = \frac{2}{\sqrt{2}} = \underline{\underline{\sqrt{2} \text{ u}}}$$