



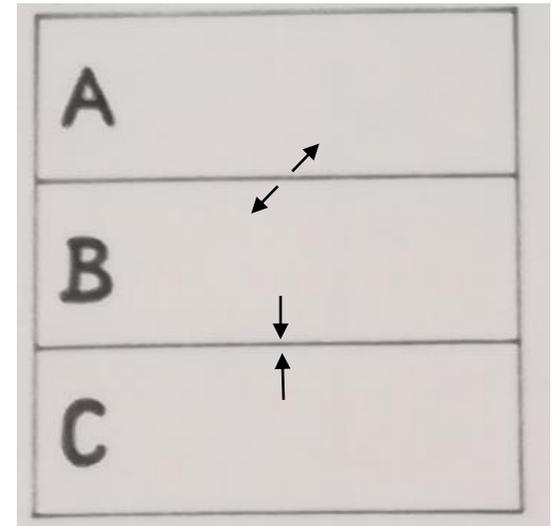
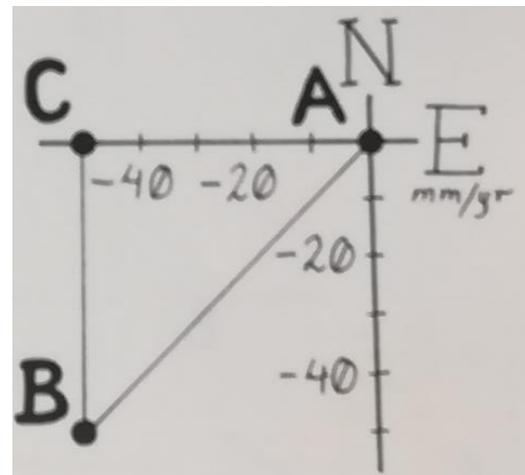
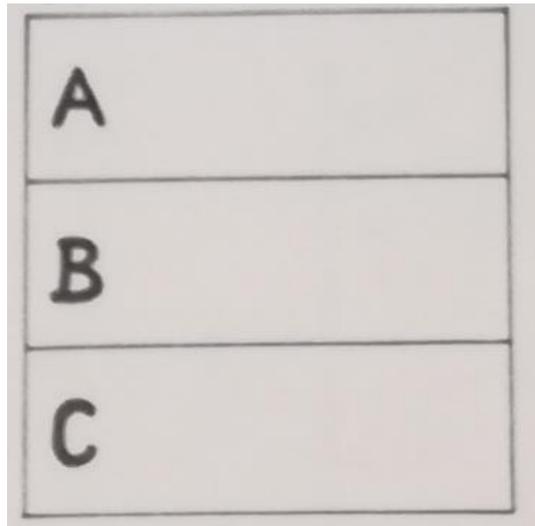
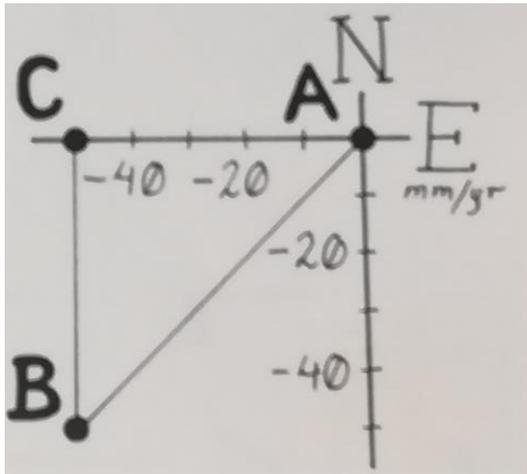
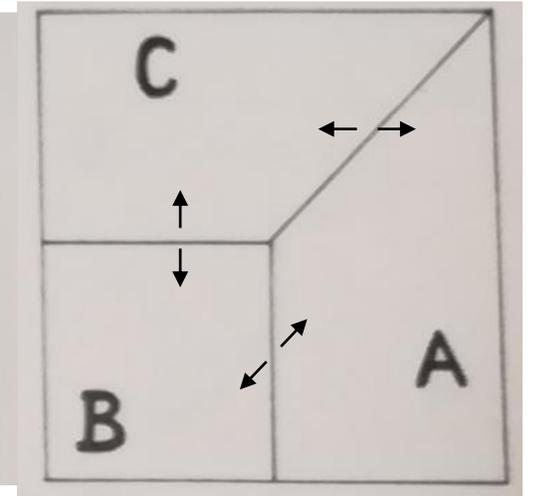
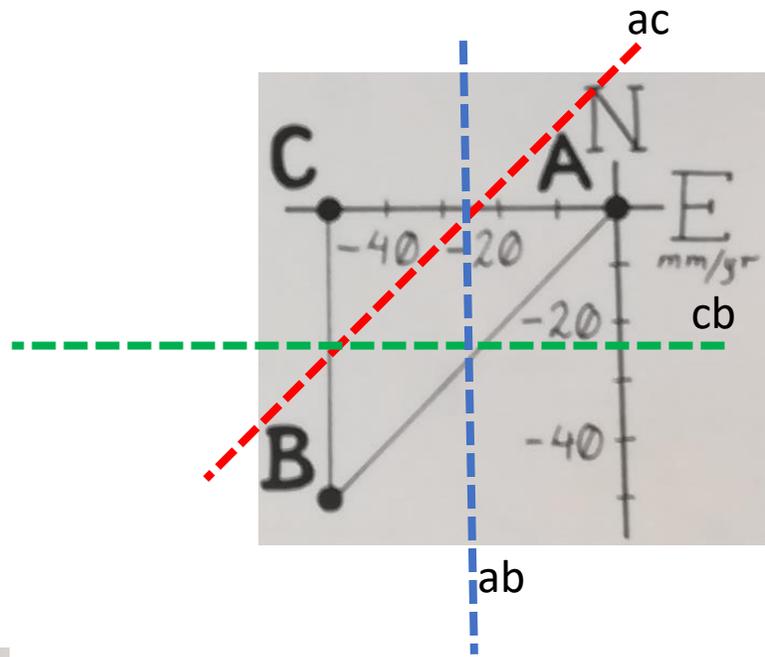
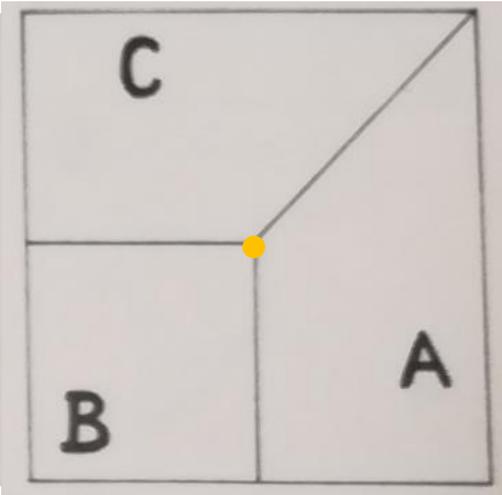
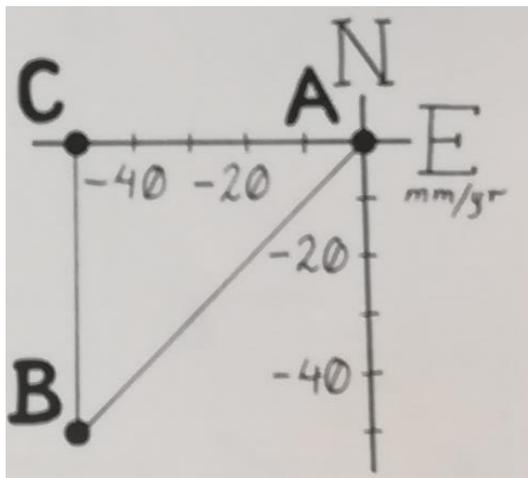
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Fisica Terrestre

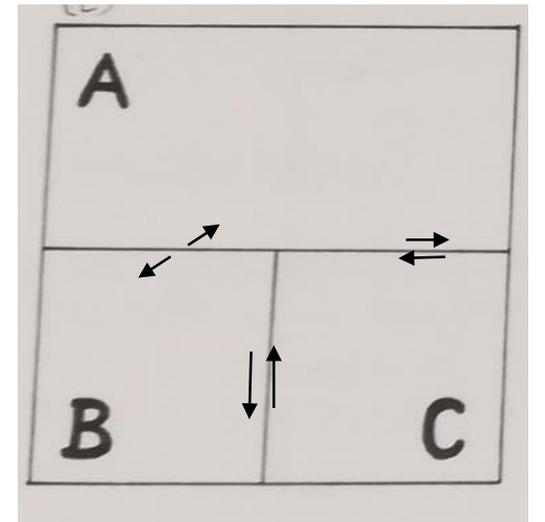
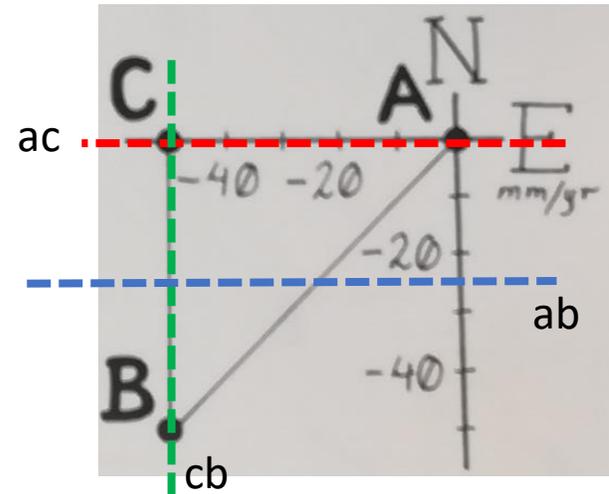
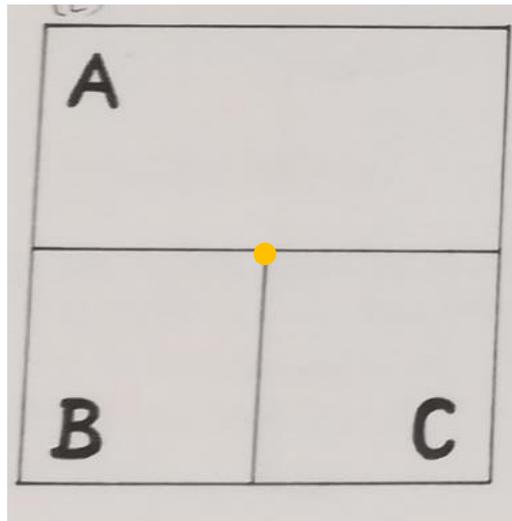
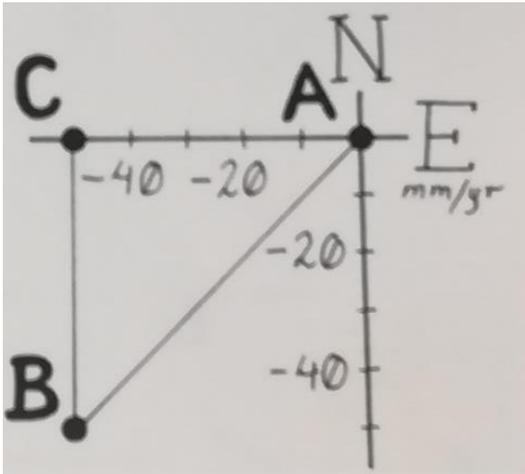
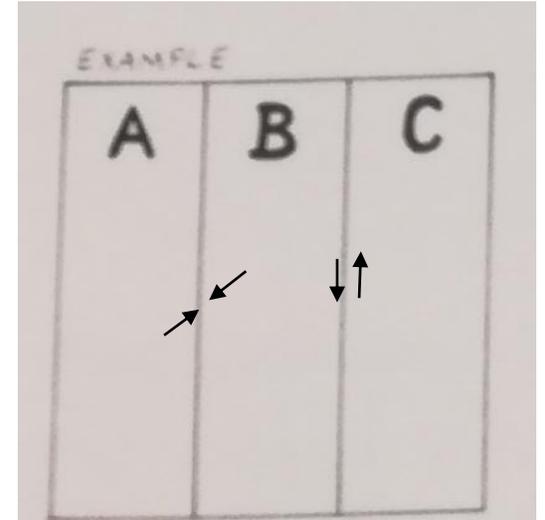
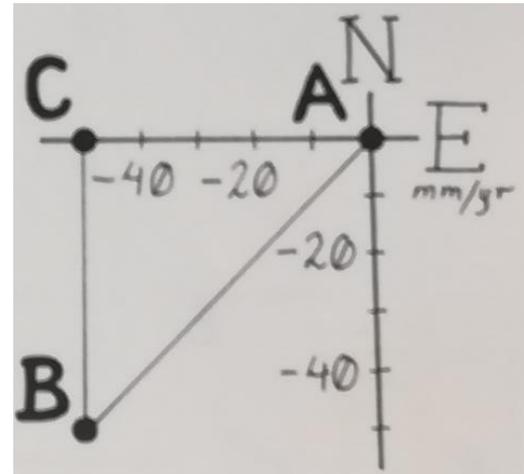
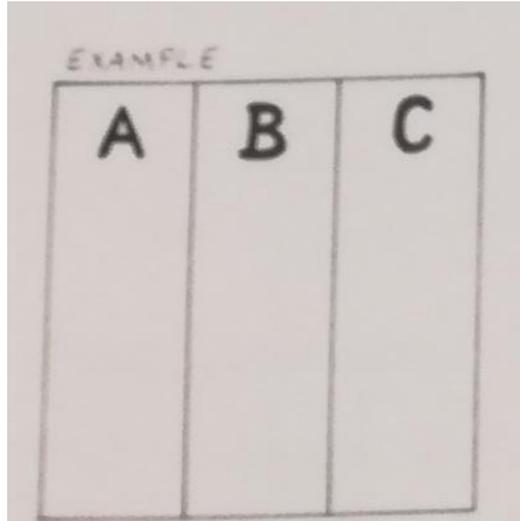
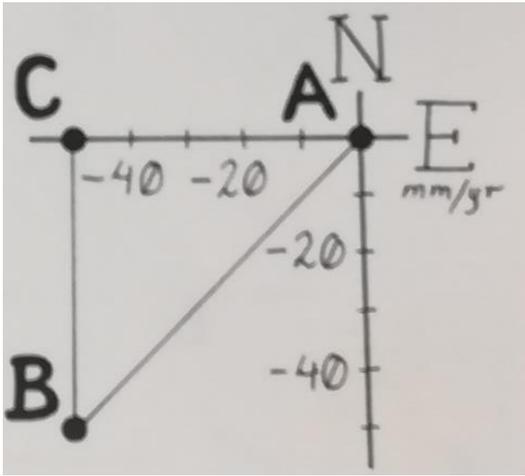
Tettonica delle placche - Esercizi

Veronica Pazzi - veronica.pazzi@units.it

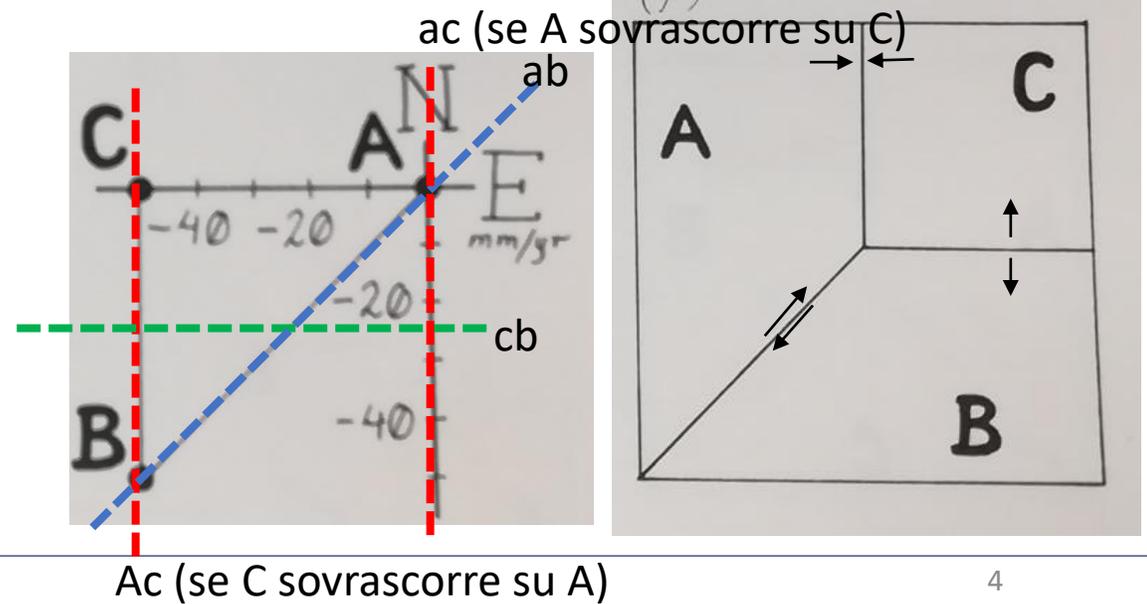
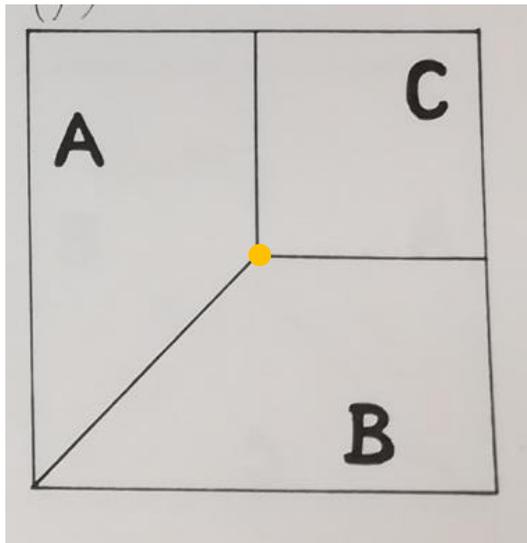
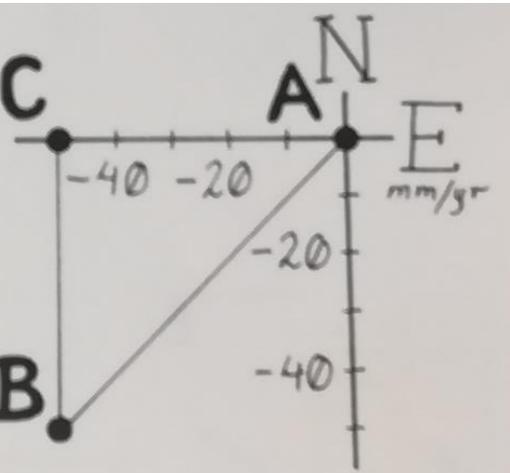
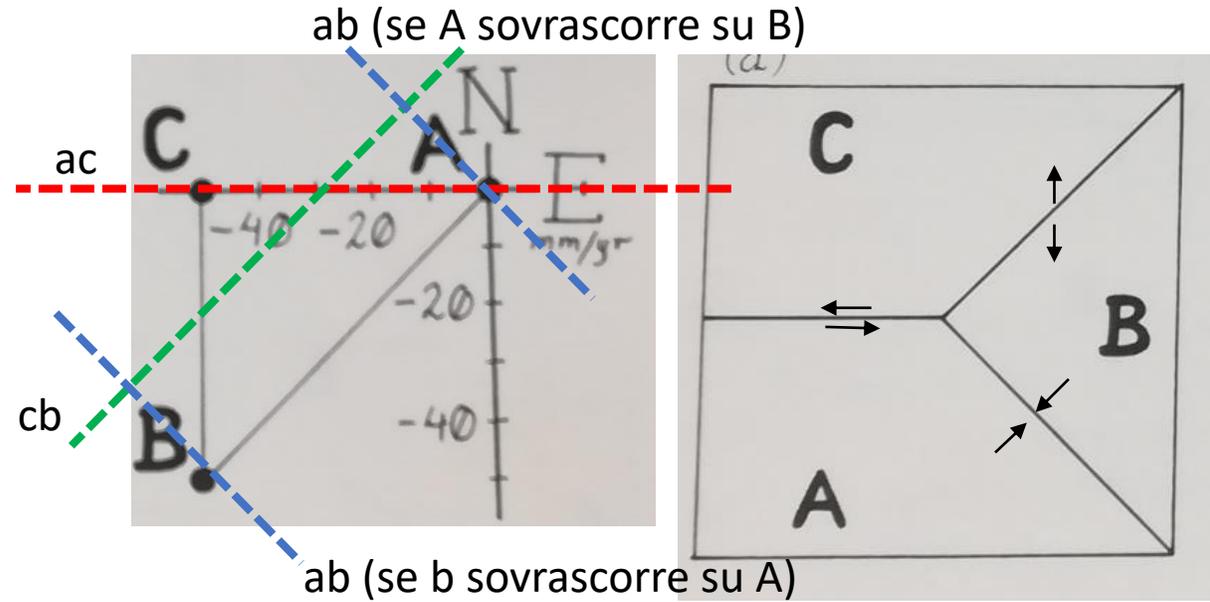
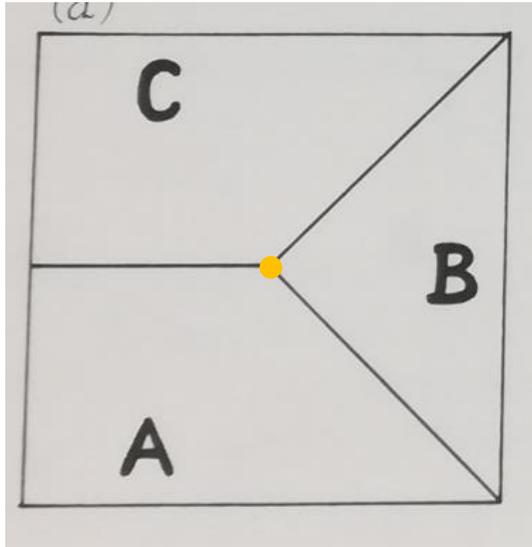
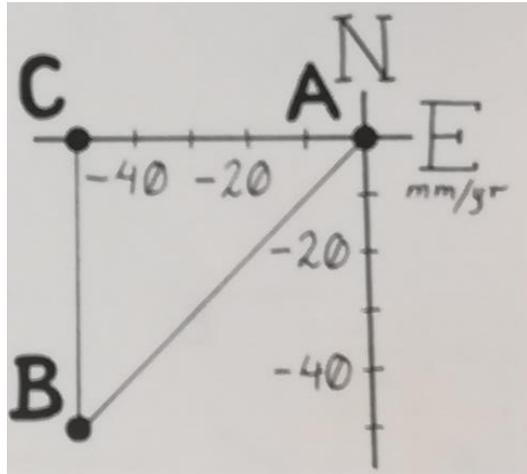
Tettonica delle placche: esercizi



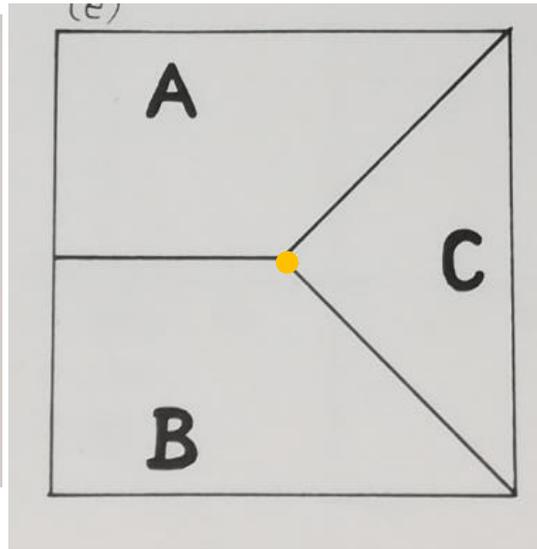
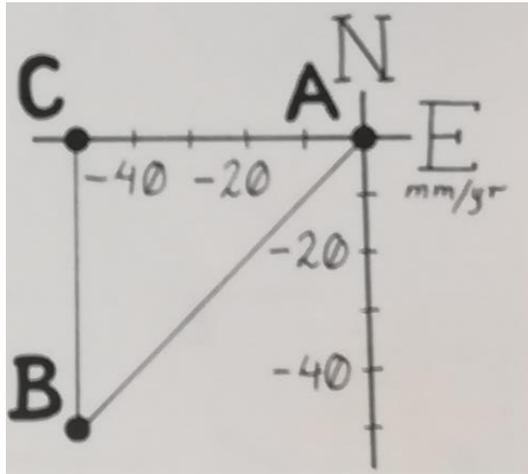
Tettonica delle placche: esercizi



Tettonica delle placche: esercizi

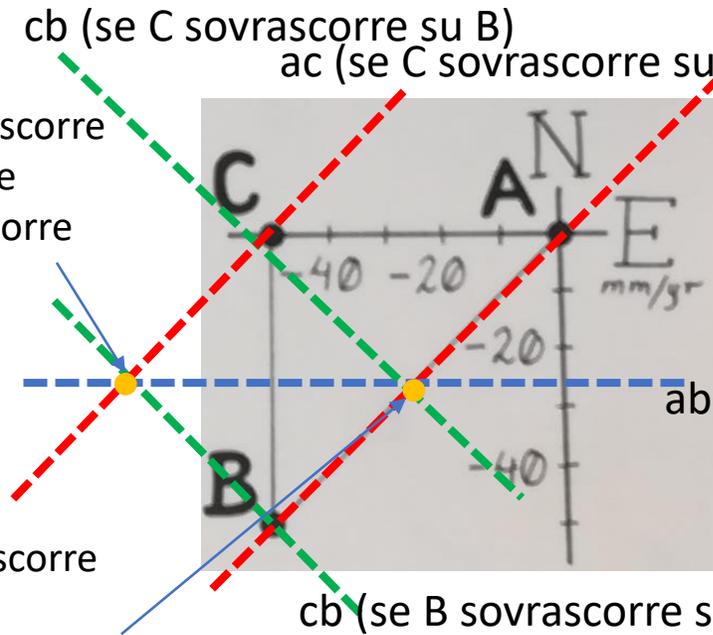


Tettonica delle placche: esercizi

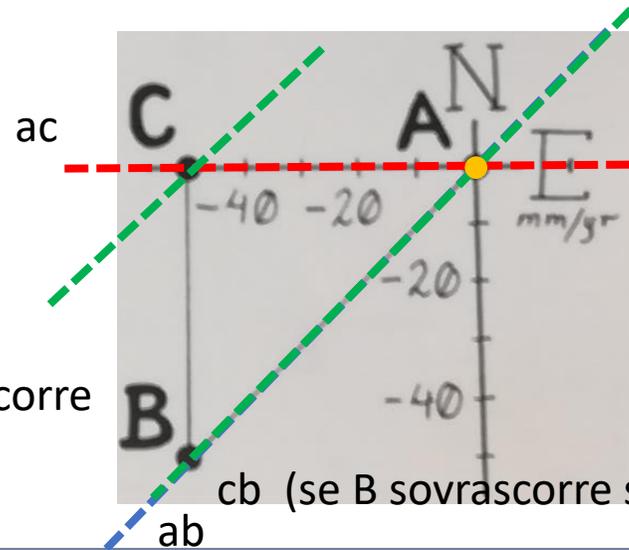


B sovrascorre su C che sovrascorre su A

C sovrascorre su B e A sovrascorre su C

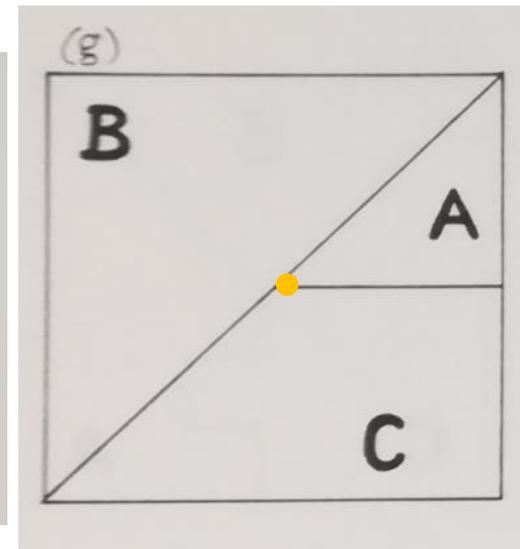
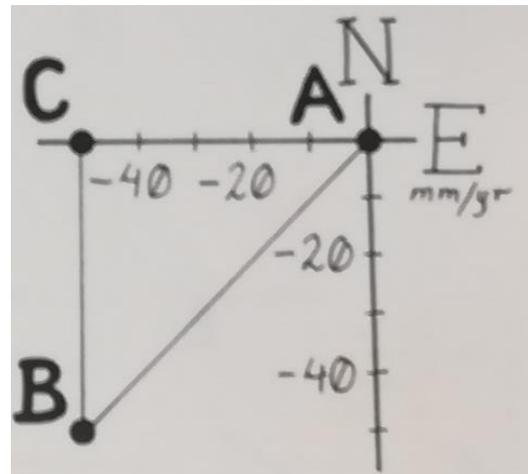
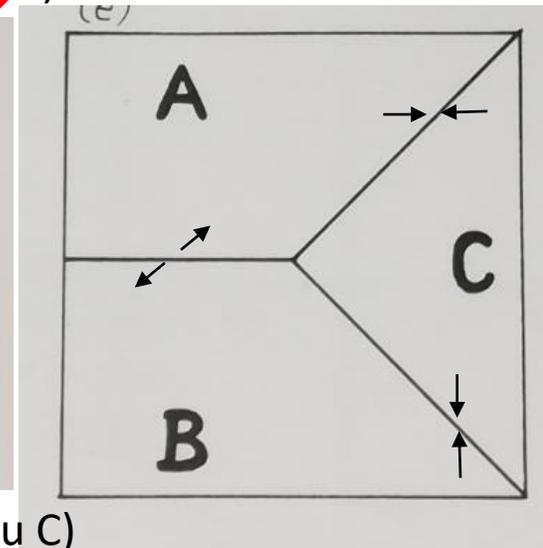


cb (se C sovrascorre su B)
ac (se C sovrascorre su A)



cb (se B sovrascorre su C)

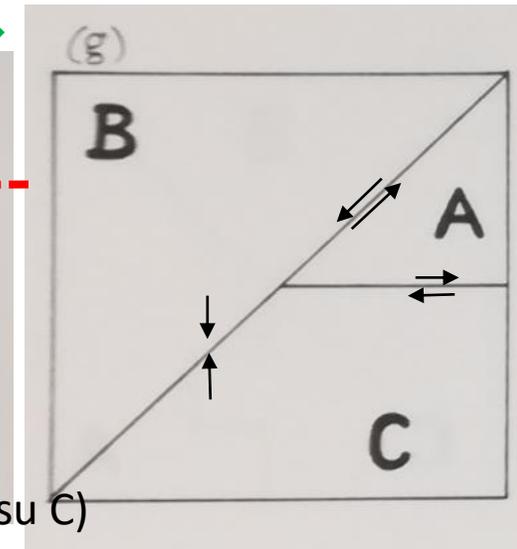
ac (se A sovrascorre su C)



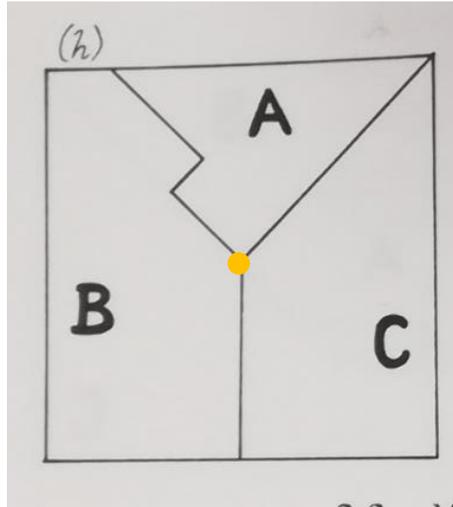
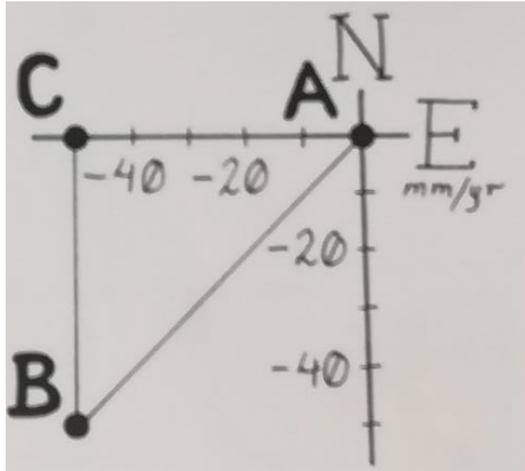
ac

cb (se C sovrascorre su B)

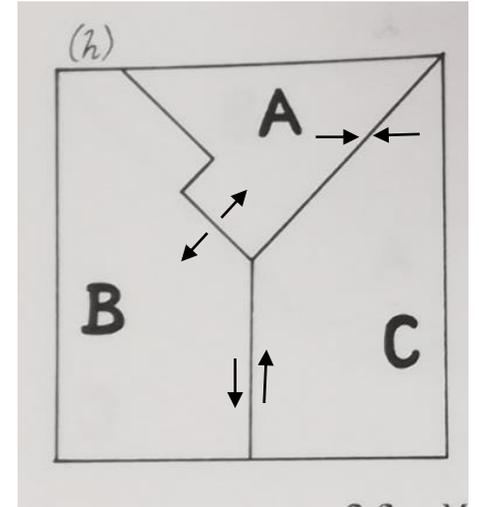
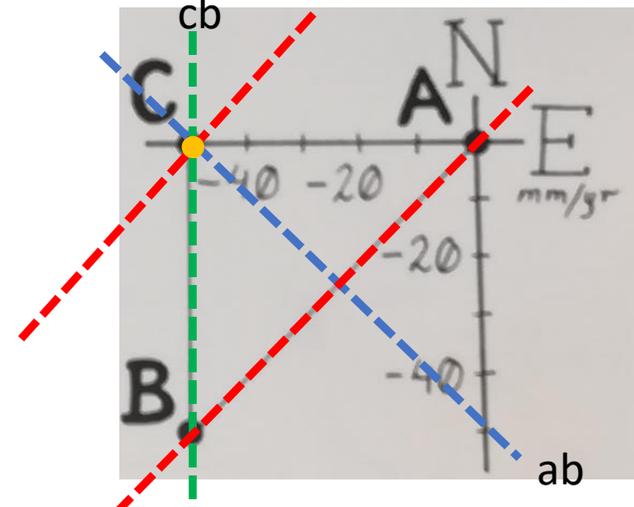
cb (se B sovrascorre su C)



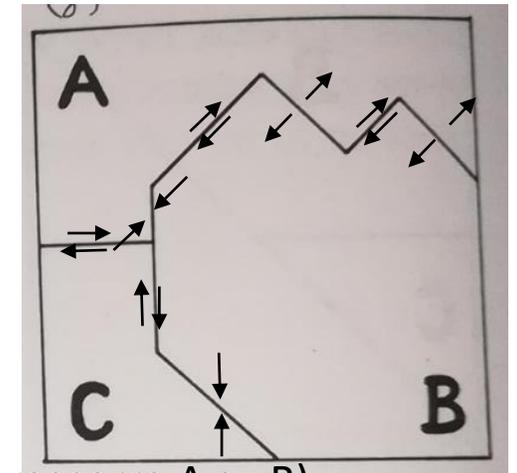
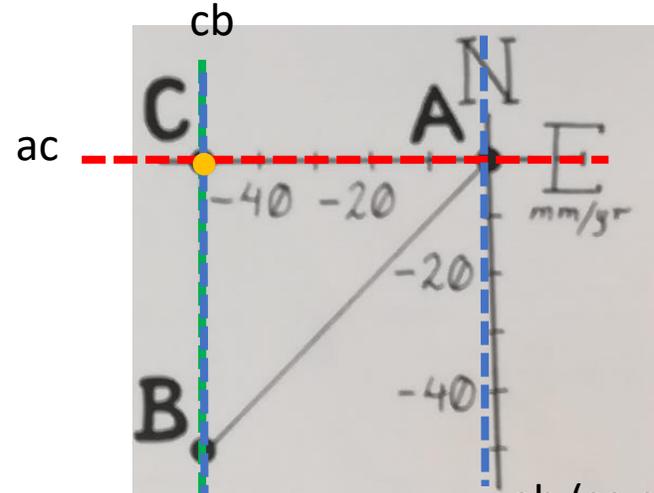
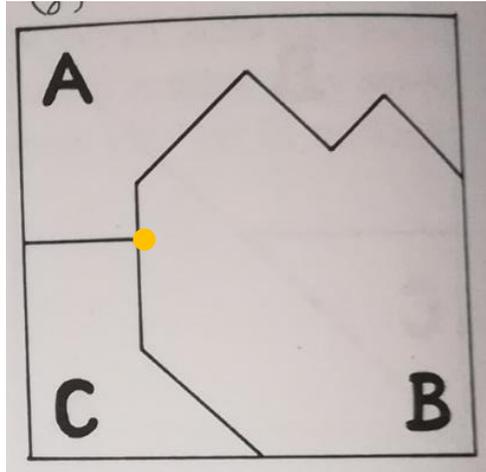
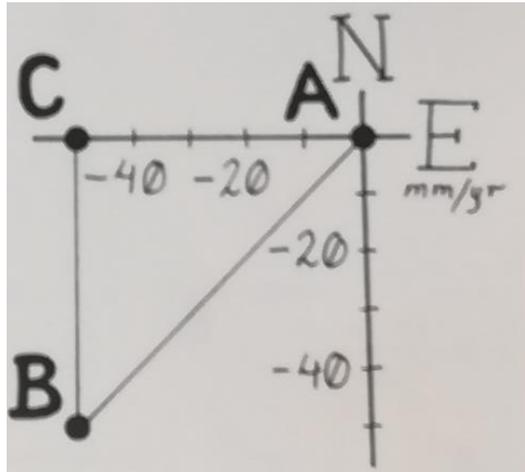
Tettonica delle placche: esercizi



ac (se C sovrascorre su A)



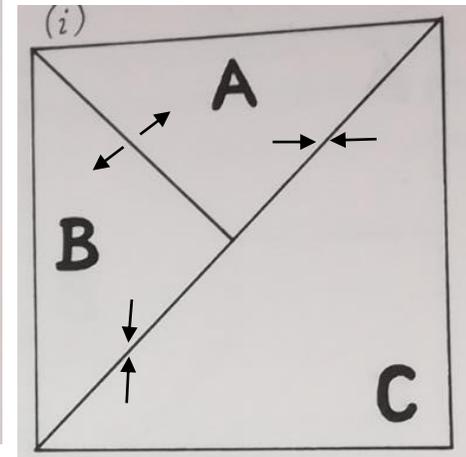
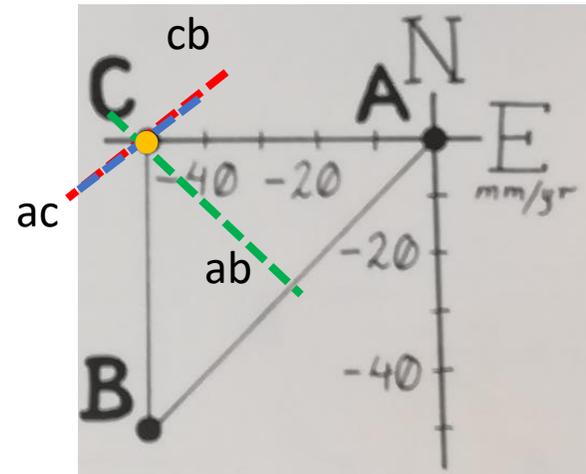
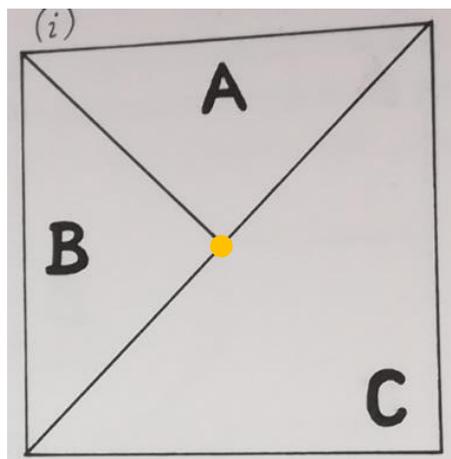
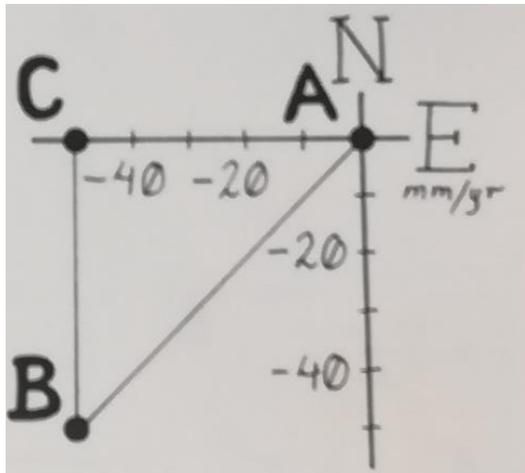
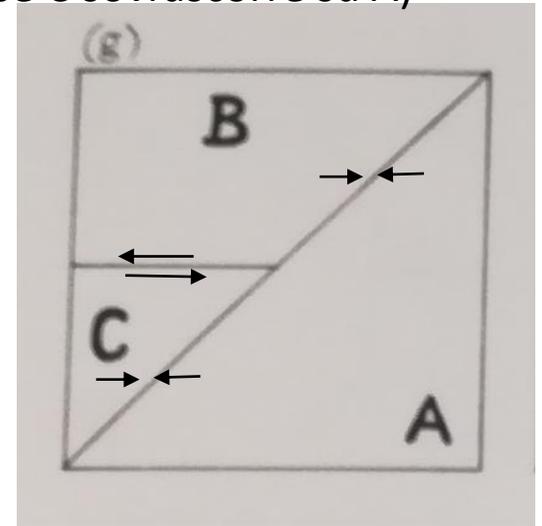
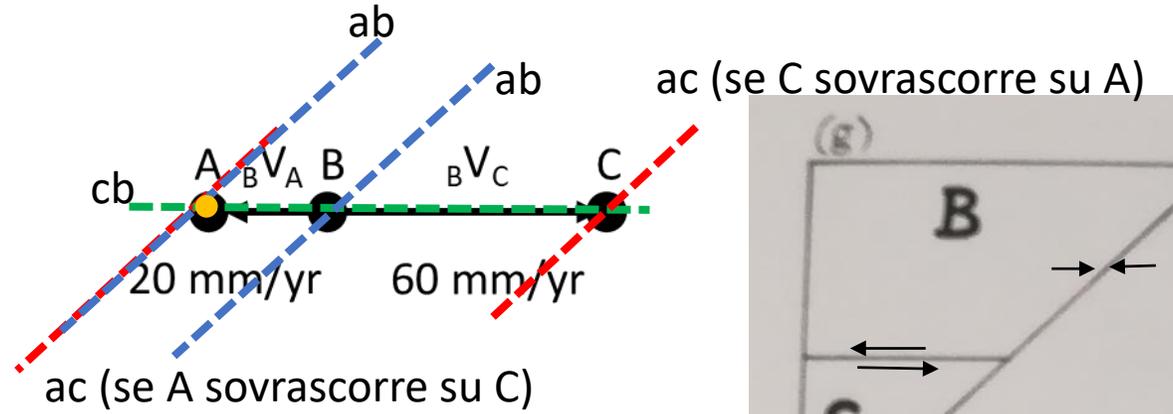
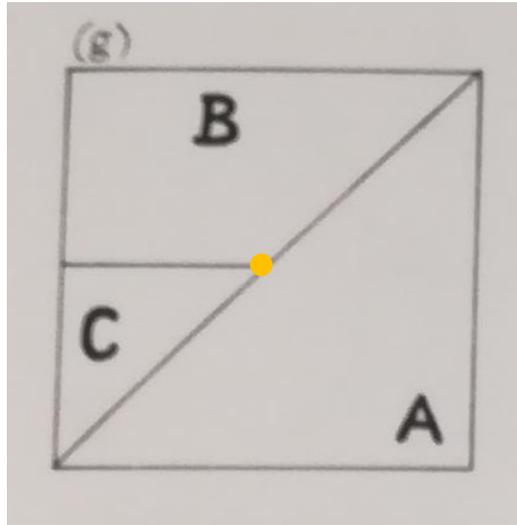
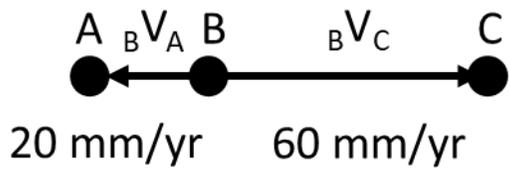
ac (se A sovrascorre su C)



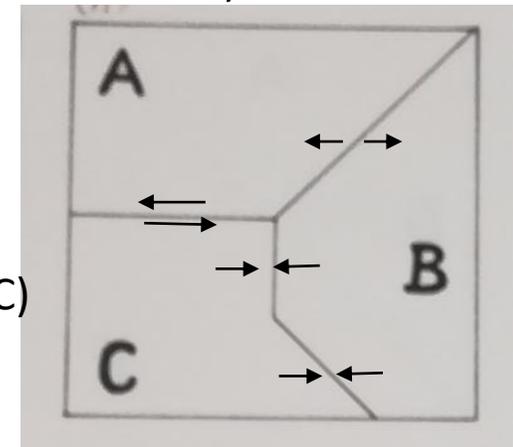
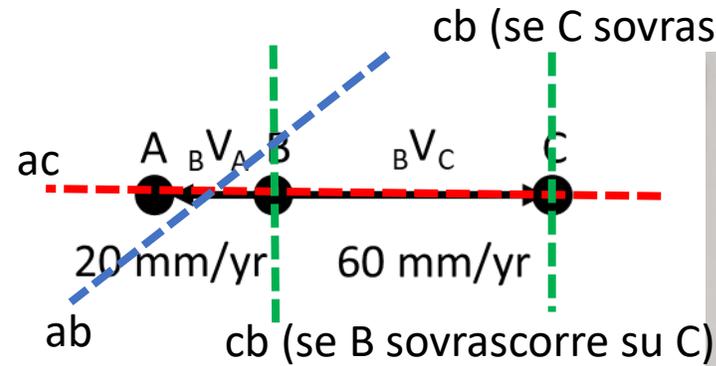
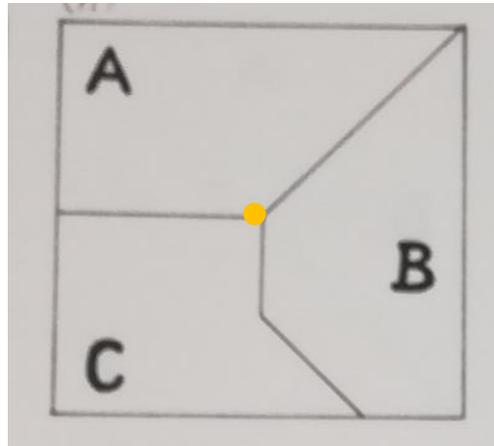
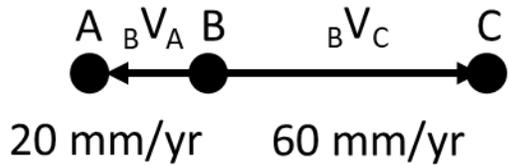
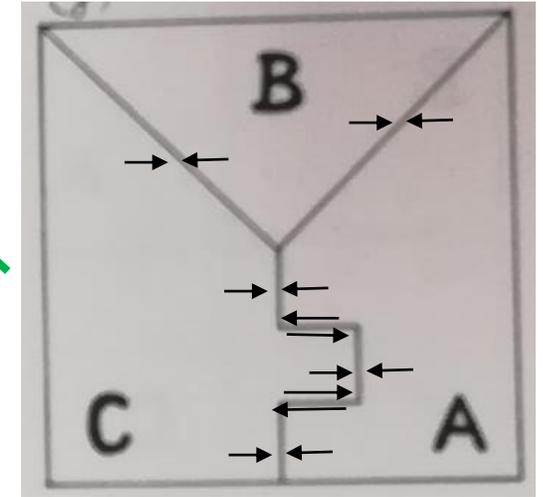
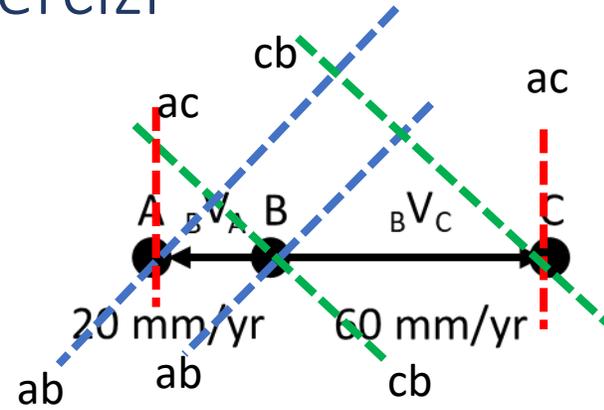
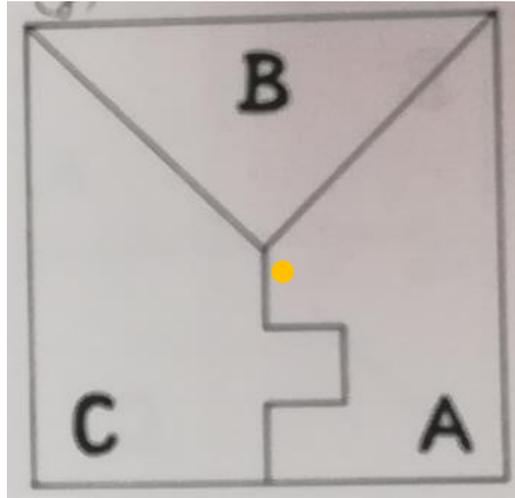
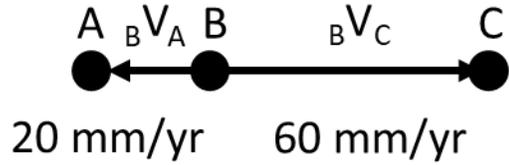
ab (se sovrascorre A su B)

ab (se sovrascorre B su A)

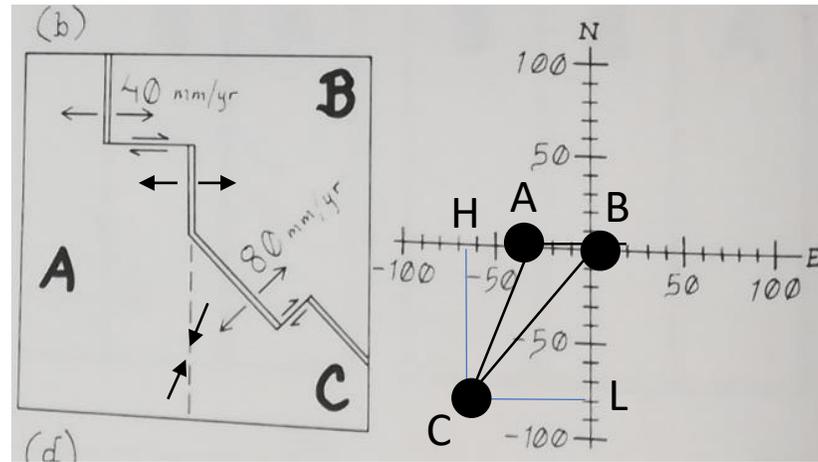
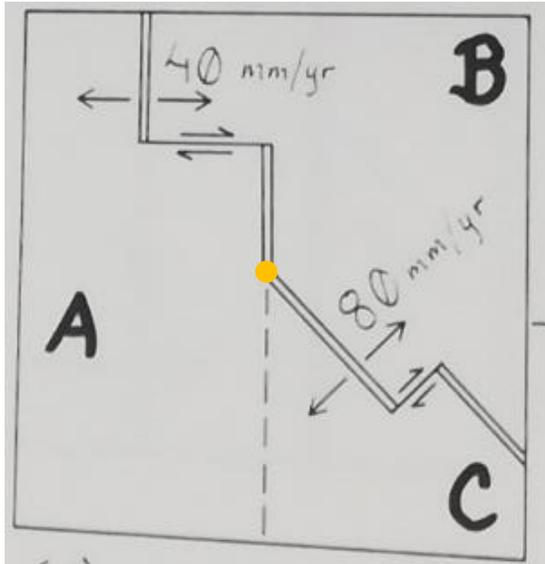
Tettonica delle placche: esercizi



Tettonica delle placche: esercizi



Tettonica delle placche: esercizi



$$AB = 40 \text{ mm/yr}$$

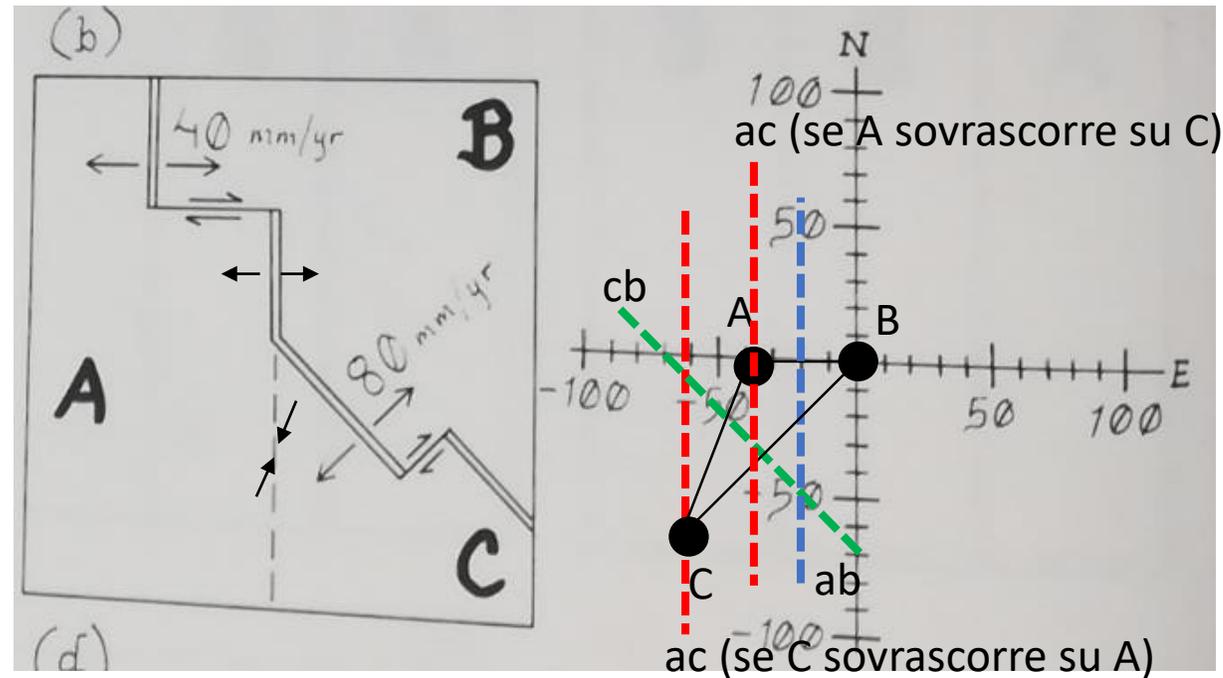
$$CB = 80 \text{ mm/yr}$$

$$AC = ? = (CH^2 + HA^2)^{1/2}$$

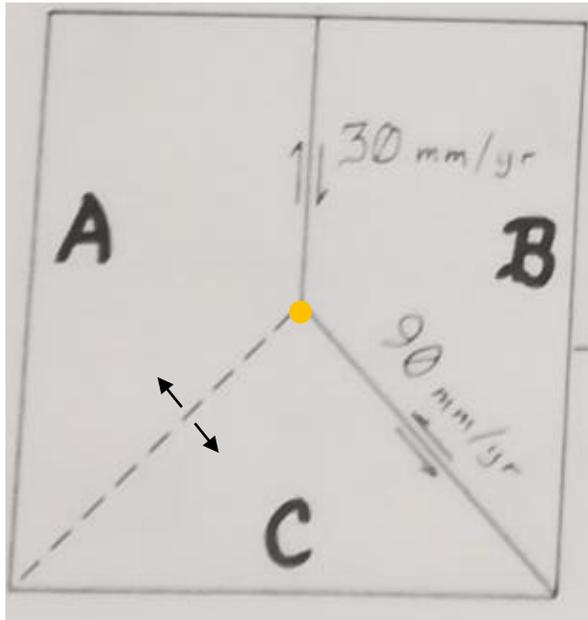
$$CH = CL = CB / (2^{1/2}) = 56.7$$

$$HA = HB - AB = 56.7 - 40 = 16.7$$

$$AC = 59.1$$



Tettonica delle placche: esercizi



$$AB = 30 \text{ mm/yr}$$

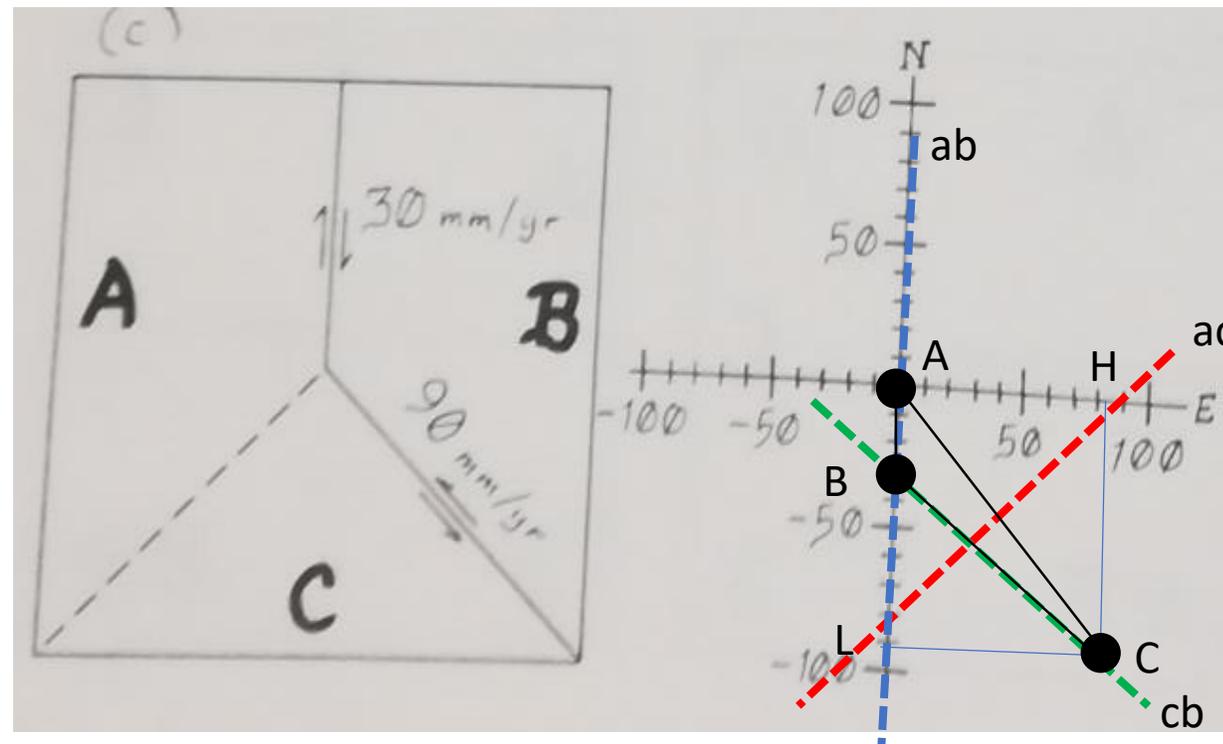
$$CB = 90 \text{ mm/yr}$$

$$AC = ? = (AL^2 + CL^2)^{1/2}$$

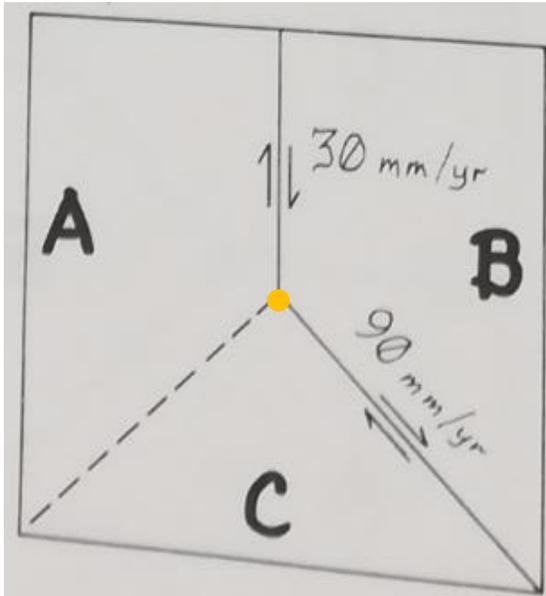
$$BL = CL = CB / (2^{1/2}) = 63.6$$

$$AL = AB + BL = 30 + 63.6 = 93.6$$

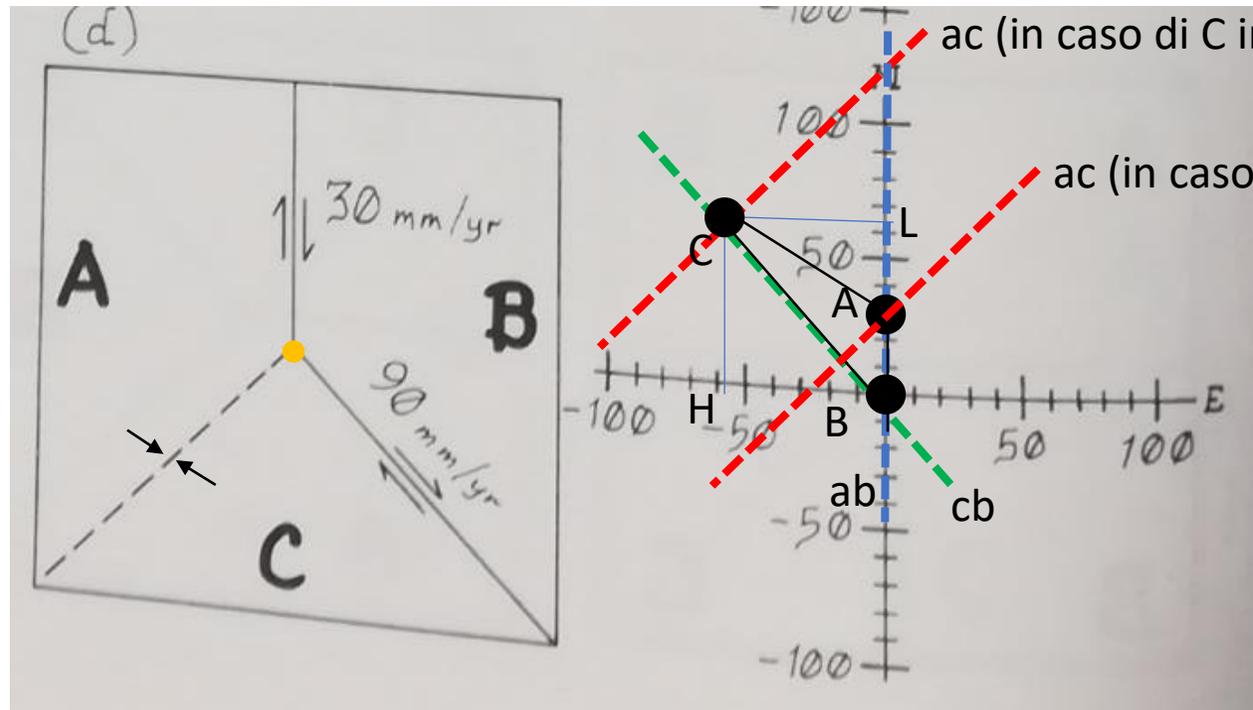
$$AC = 113.2$$



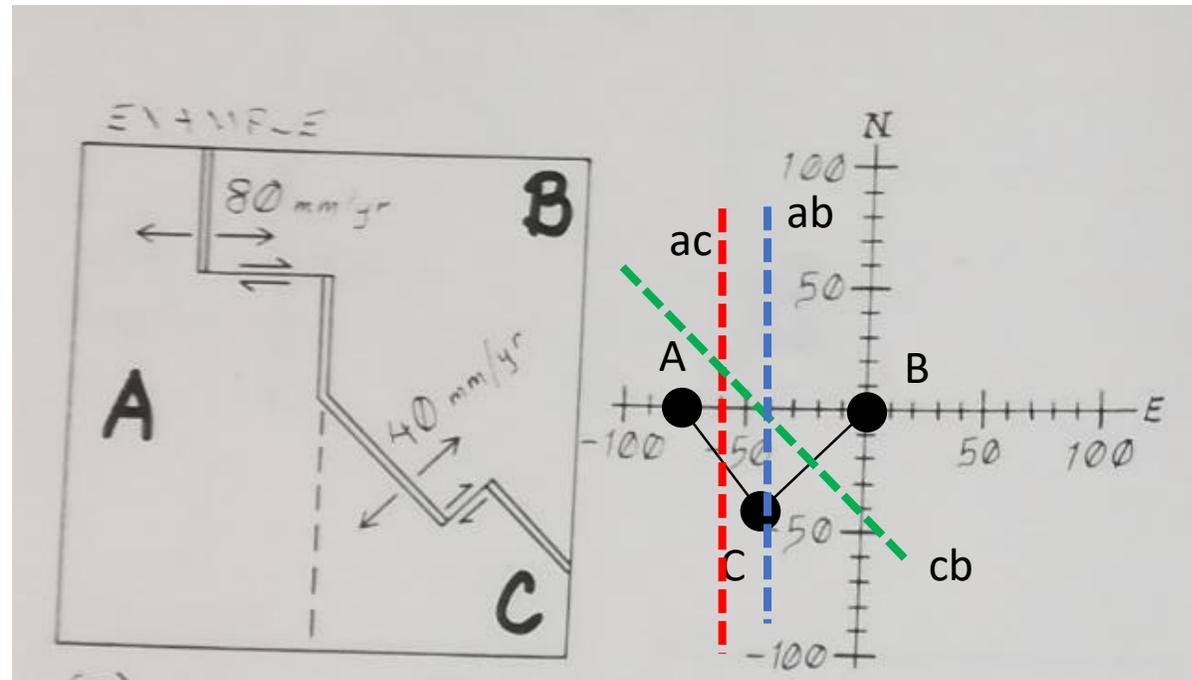
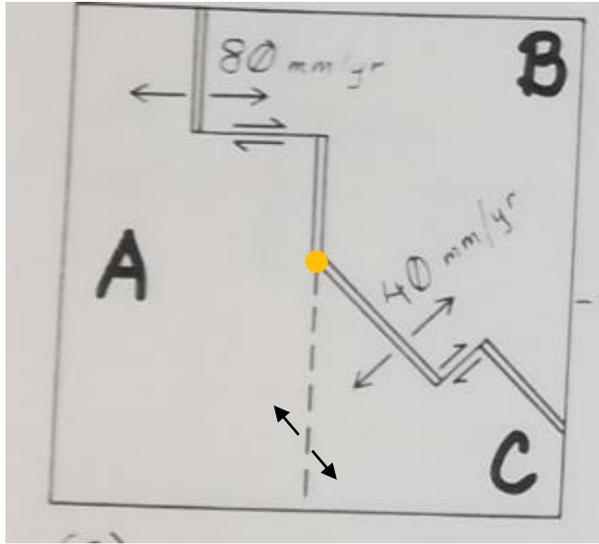
Tettonica delle placche: esercizi



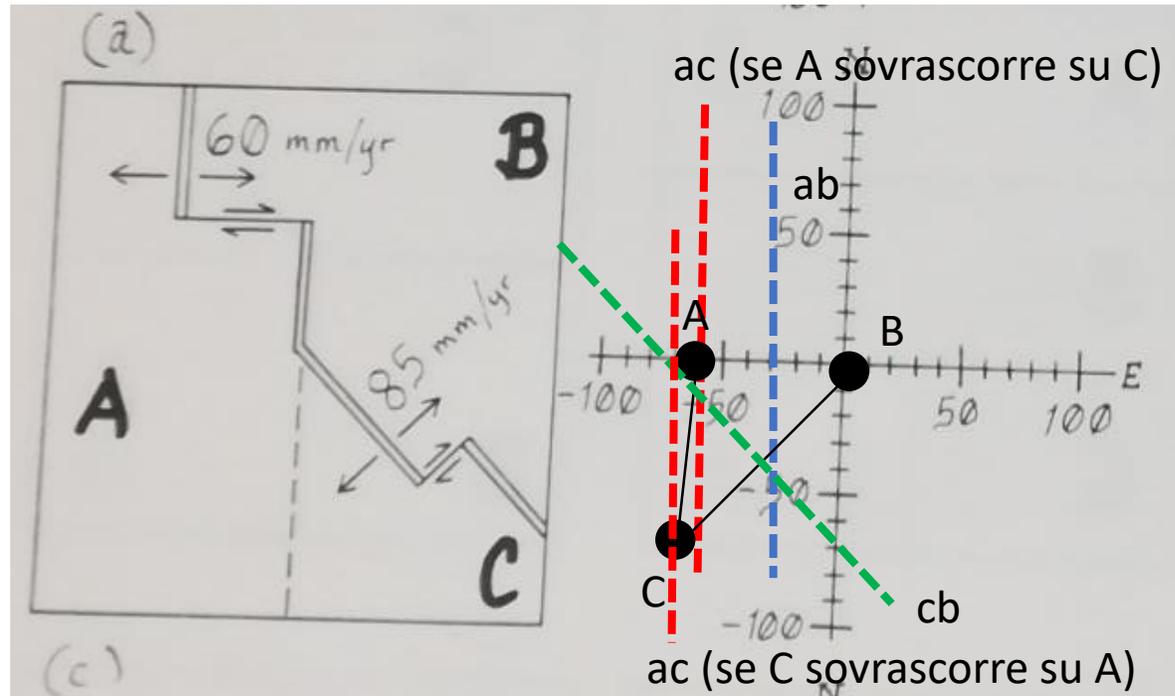
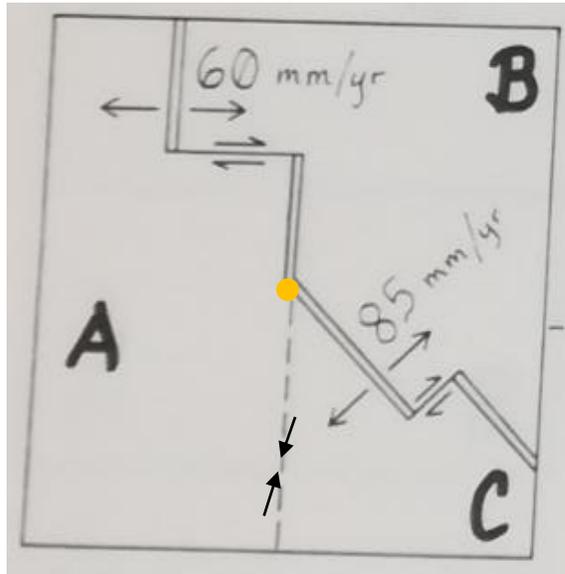
$$\begin{aligned}
 AB &= 30 \text{ mm/yr} \\
 CB &= 90 \text{ mm/yr} \\
 AC &= ? = (AL^2 + CL^2)^{1/2} \\
 HB &= CL = CB / (2^{1/2}) = 63.6 \\
 CH &= BL = HB \\
 AL &= BL - AB = 63.6 - 30 = 33.6 \\
 AC &= 71.9
 \end{aligned}$$



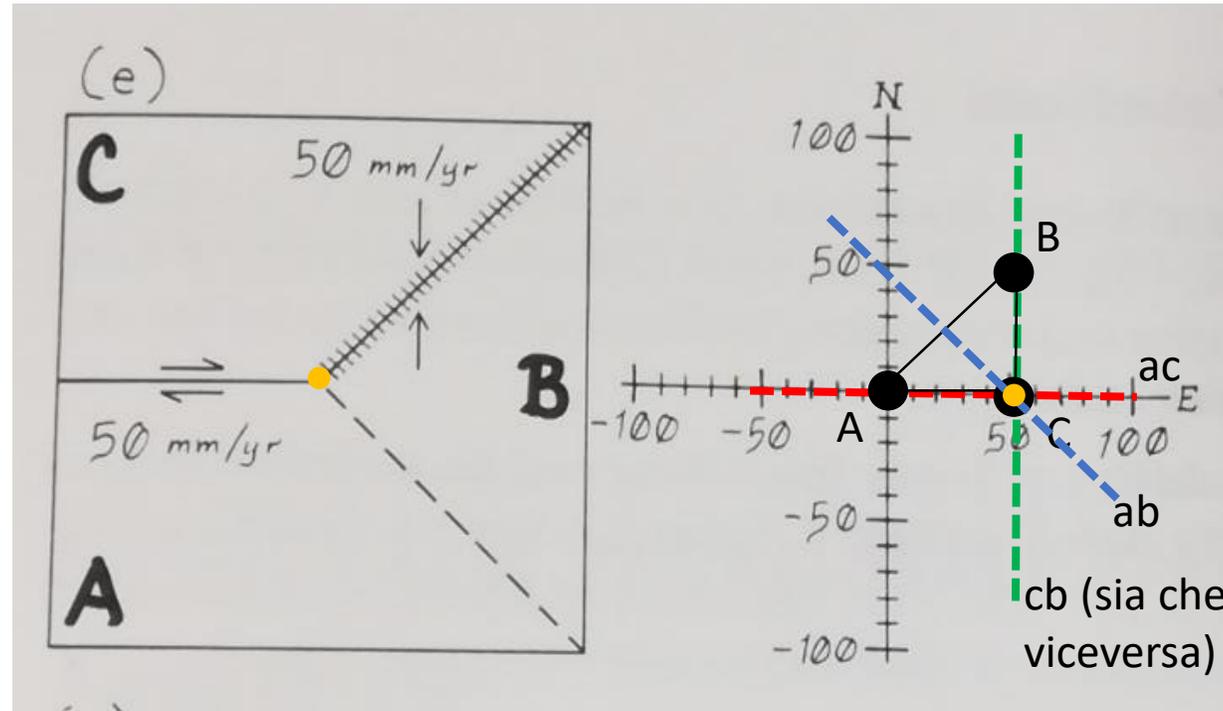
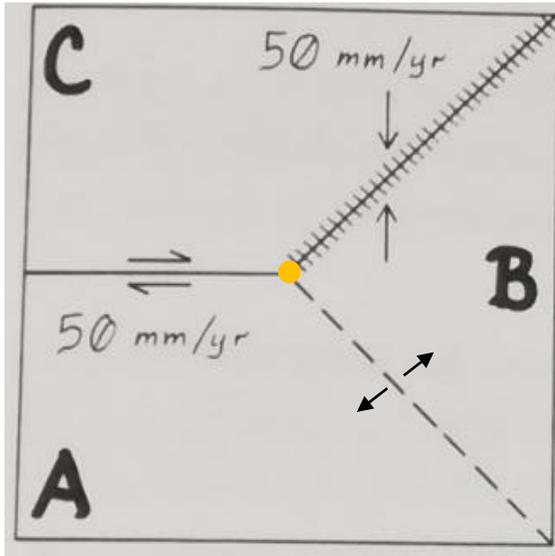
Tettonica delle placche: esercizi



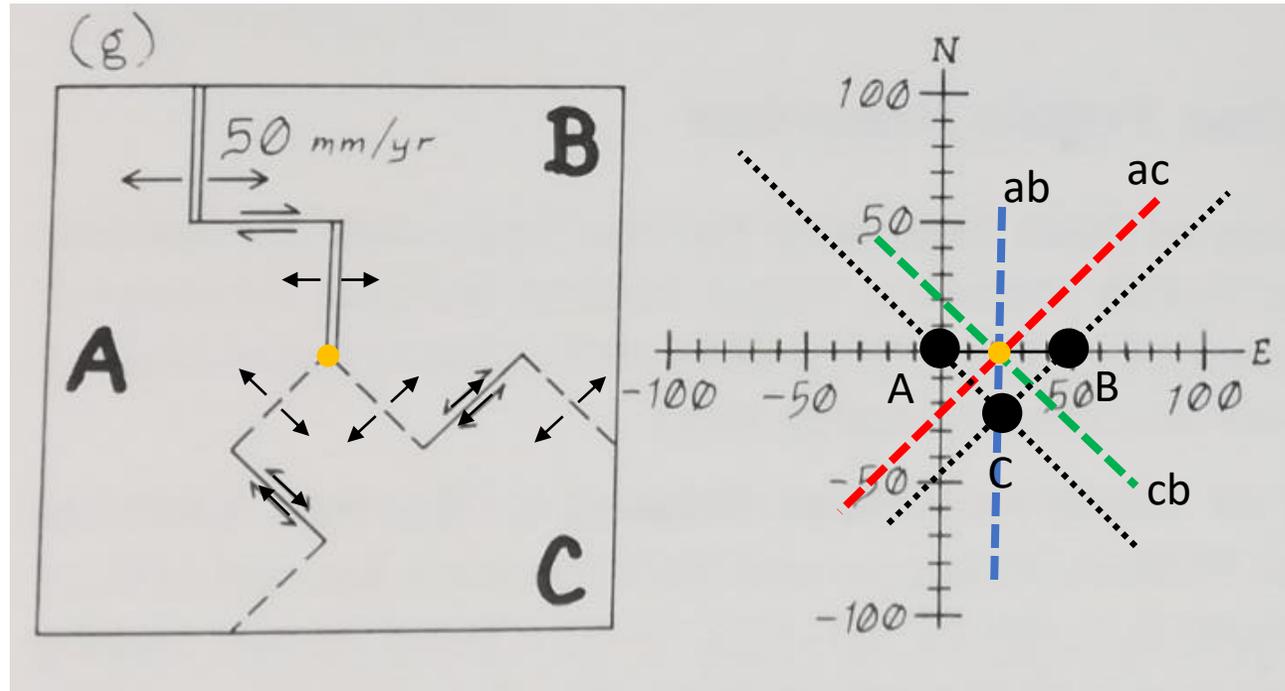
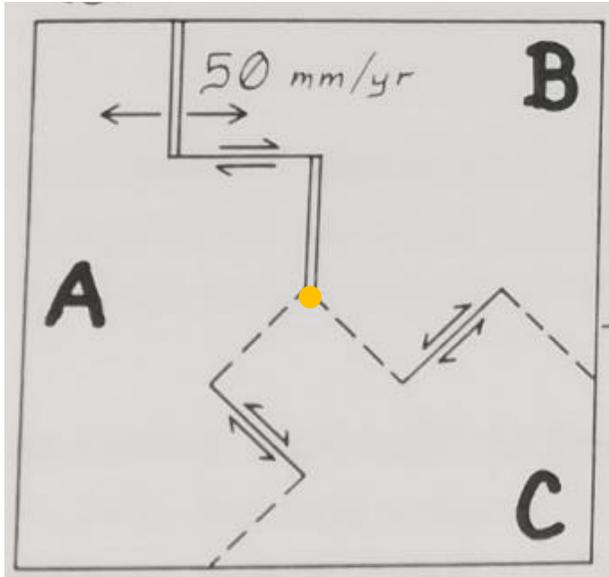
Tettonica delle placche: esercizi



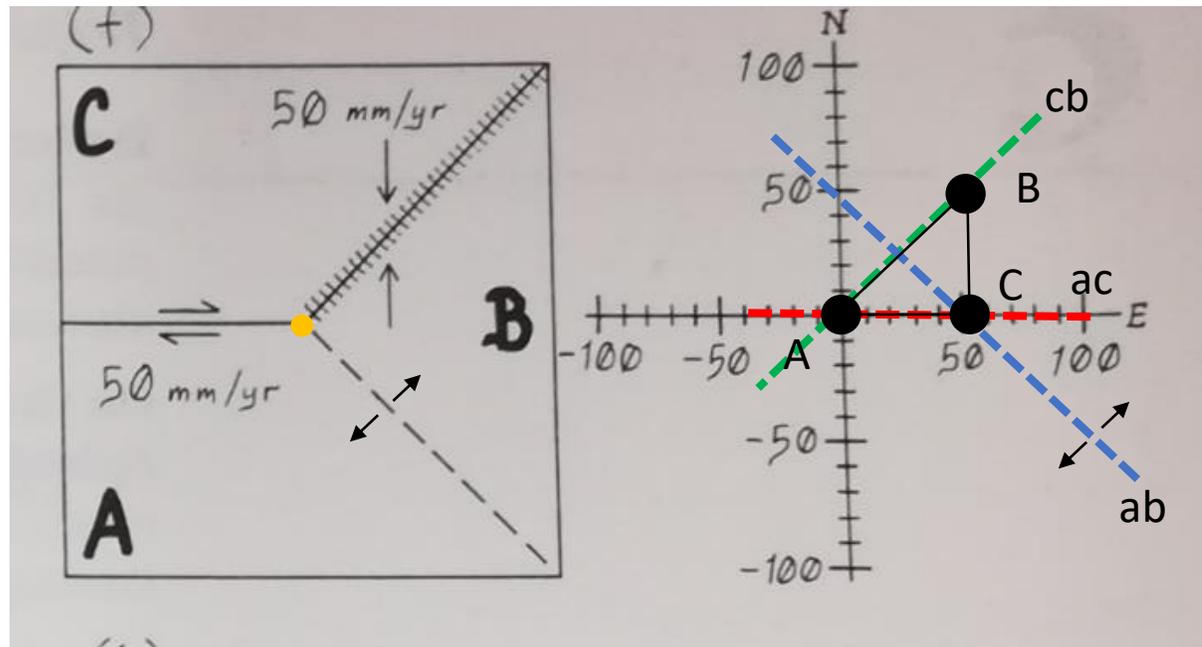
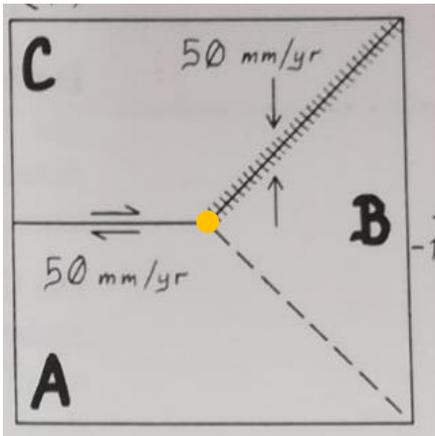
Tettonica delle placche: esercizi



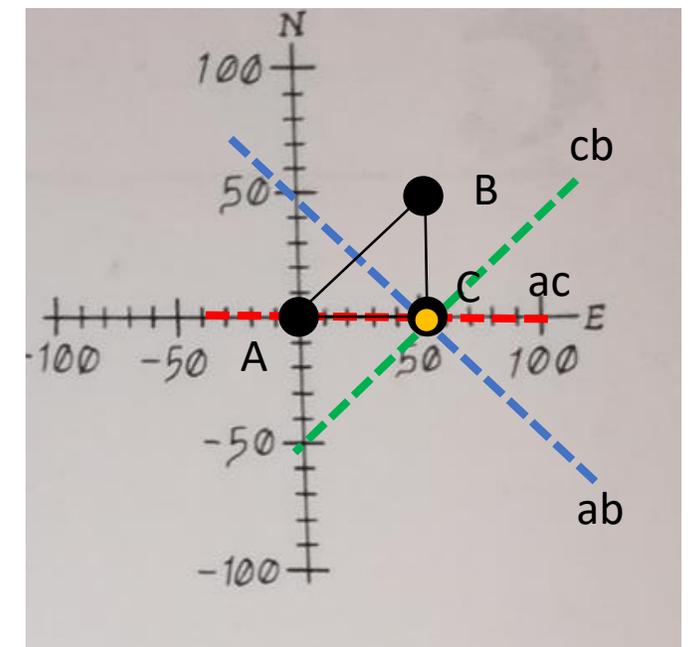
Tettonica delle placche: esercizi



Tettonica delle placche: esercizi

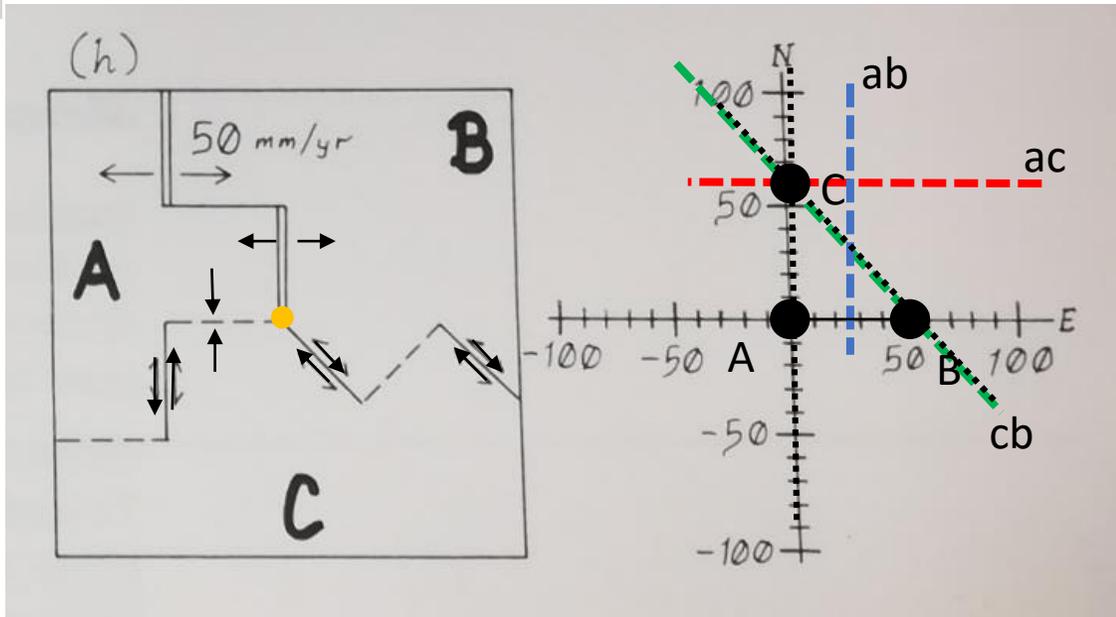
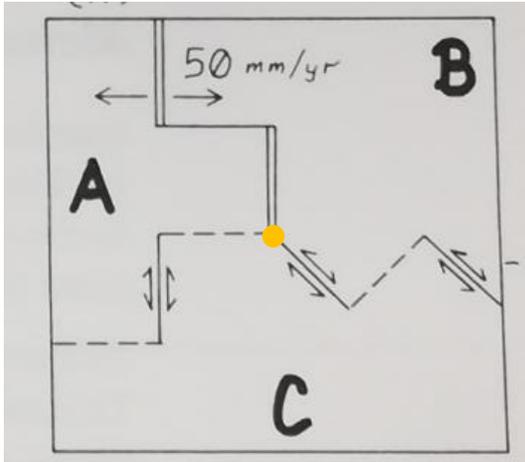


Caso in cui B sovrascorre su C

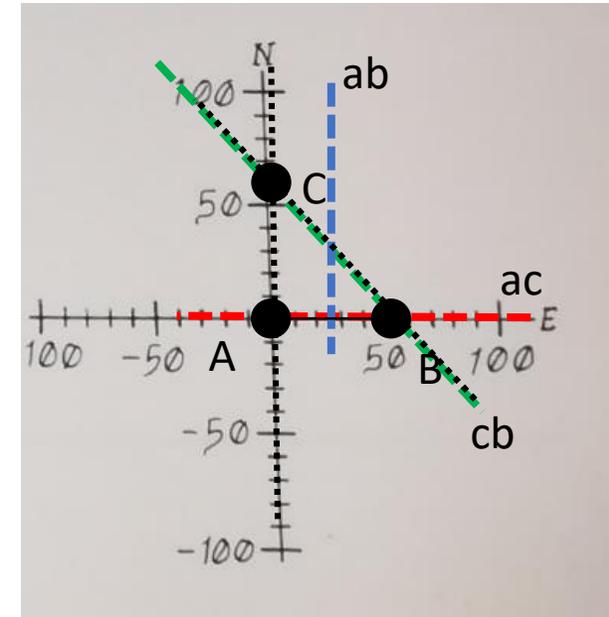


Caso in cui C sovrascorre su B

Tettonica delle placche: esercizi



Caso in cui C sovrascorre su A



Caso in cui A sovrascorre su C



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