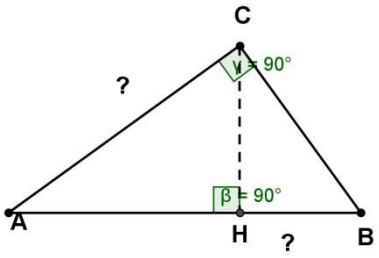
**Serie 9 -Problemi senza parole 2, tratti dagli Atolli Matematici 3. 11.XI.2025**

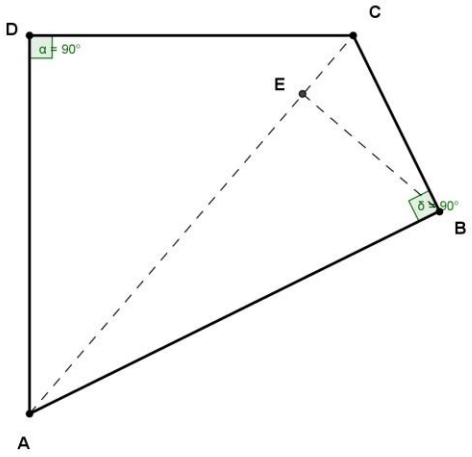
Attenzione le figure sono schizzi che non rispettano né le misure date né le proporzioni. Ogni tanto ricordati delle regole dei radicali e prova ad applicarle.

**1)** $|AH| = 17\,(cm)$ ; $|HC| = 16\,(cm)$ ; $|CB| = 20\,(cm)$ ; $|HB| = ?\,(cm)$ ; $|AC| = ?(cm)$




$[|HB| = 12\,(cm)\ ;\ |AC| \cong 23{,}35(cm)\ ]$

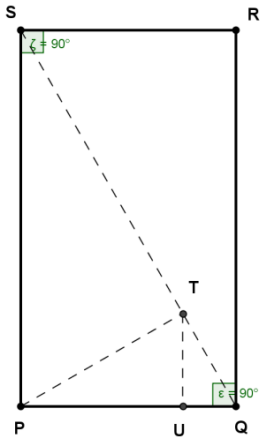
**2)** $|AD| = 10{,}4\,(cm)$; $|CD| = 7{,}8\,(cm)$; $|BC| = 5\ (cm)$; $|AB| = ?\ (cm)$; $|EC| = ?(cm)$




$[|AB| = 12\,(cm)\,;|EC| \cong 1{,}91(cm)]$

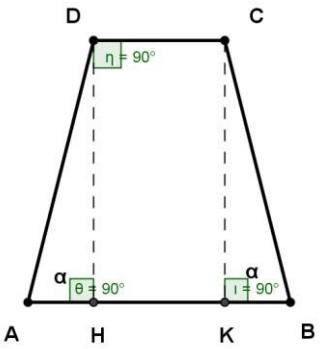
**3)** $|PQ| = 400\,(mm)$; $|QR| = 750\,(mm)$; $|QS| = ?\,(mm)$; $|TQ| = ?\,(mm)$; $|UQ| = ?(mm)$

noti qualcosa? .....chi vuole può continuare...!




$[|QS| = 850\ (mm)\ ;\ |TQ| \cong 188{,}24\ (mm)\ ;\ |UQ| = 88.57\ (mm)]$

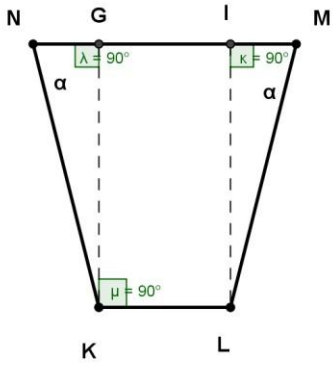
**4)** $|AD| = 14{,}450\,(km)\,;\ |HD| = 12{,}750\,(km)\,;\ |DC| = 8{,}750\,(km)\,;\ |AB| = ?\,(km)\,;$




Dopo aver verificato **con i calcoli** che il triangolo BCD è ottusangolo, calcolane l'area.

[$|AB| = 22{,}35(\,km)$ ; $|BD| \cong 20{,}11(\,km)$ ; $A_{BCD} \cong 55{,}78\ (\,km^2)$]

**5)** $|KL| = 30\,(cm)\,;\ |KG| = 40{,}8\,(cm)\,;\ |LM| = 44{,}2\,(cm)$ $;\ |NG| = ?\,(cm)\,;$ $|MN| = ?\,(cm)$



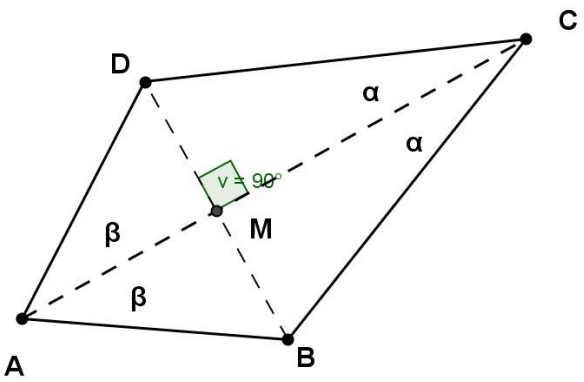

Che tipo di quadrilatero è KLGN? Calcolane perimetro e area.

Calcola perimetro e area del triangolo KLM. Verifica con il calcolo, che è ottusangolo.

[ $|NG| = 17\ (\,cm)$ ; $|MN| = ?\ (\,cm)$ ; $A_{KLM}$= 612 cm$^2$ ; $P_{KLM}$= 136,44 (cm) ]

**6)** $|AD| = 2{,}9\,(m)\,;\ |MC| = 4{,}8\,(m)\,;\ |MB| = 2\,(m)$ Che tipo di quadrilatero è ABCD?

Calcolane il perimetro e l'area. Verifica con il calcolo che il triangolo BCD e acutangolo.




[$A_{ABCD}$= 13,8 cm$^2$; $P_{KLM}$= 16,2 (cm)]