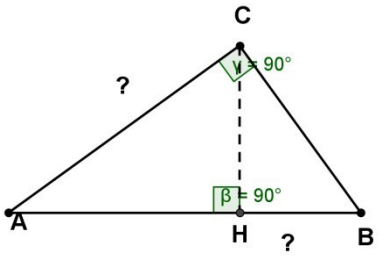
Serie 8 -Problemi senza parole 2, tratti dagli Atolli Matematici 3. 8.XI.2023

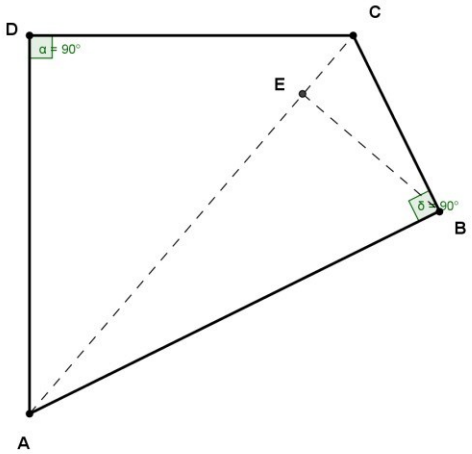
Attenzione le figure sono schizzi che non rispettano né le misure date né le proporzioni. Ogni tanto ricordati delle regole dei radicali e prova ad applicarle.

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



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

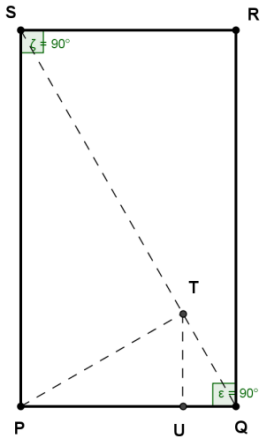
2) $|AD| = 10{,}4\,(cm)$; $|CD| = 7{,}8\,(cm)$; $|BC| = 5\ (cm)$; $|AB| = ?\ (cm)$; $|EC| = ?(cm)$



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

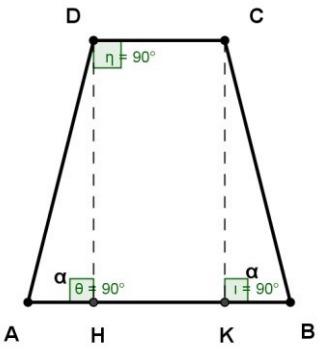
3) $|PQ| = 400\,(mm)$; $|QR| = 750\,(mm)$; $|QS| = ?\,(mm)$; $|TQ| = ?\,(mm)$; $|UQ| = ?(mm)$

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



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

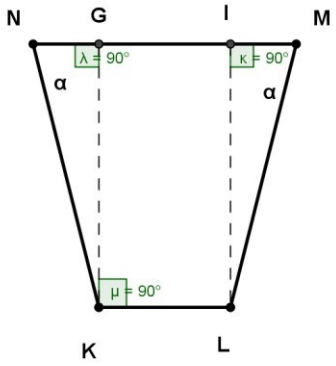
4) $|AD| = 14{,}450\,(km)\,;\ |HD| = 12{,}750\,(km)\,;\ |DC| = 8{,}750\,(km)\,;\ |AB| = ?\,(km)\,;$



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



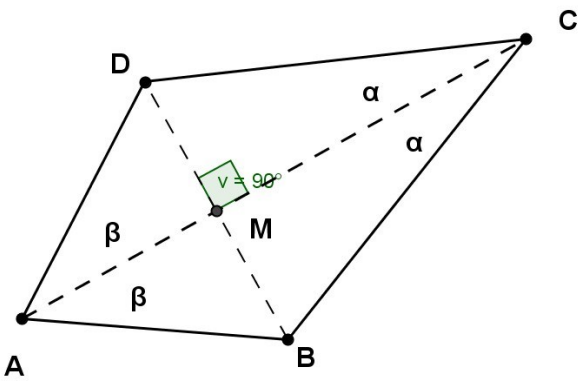
Che tipo di quadrilatero è KLGN? Calcolane perimetro e area.

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)]