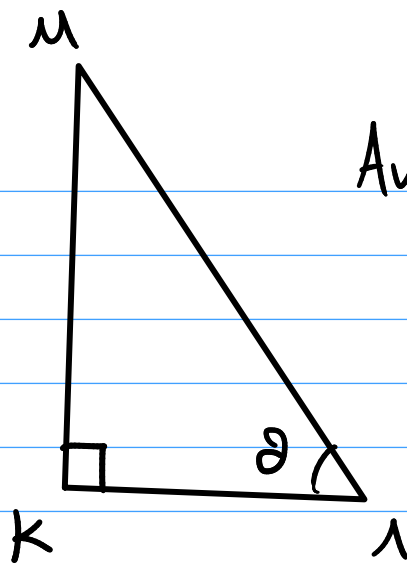
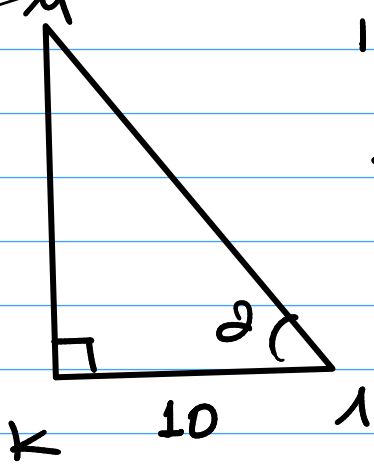


2



Αν $\tan \theta = \frac{5}{13}$ και $\kappa\lambda = 10\text{cm}$ να βρείτε: i) $\lambda\mu$ ii) $\kappa\mu$ iii) $\eta\gamma\theta$ εὐθ.

ΛΥΣΗ



i) $\tan \theta = \frac{10}{\lambda\mu} \Rightarrow \frac{5}{13} = \frac{10}{\lambda\mu} \Rightarrow 5\lambda\mu = 130 \Rightarrow \lambda\mu = 26$

ii) Από π.θ έχουμε $26^2 = 10^2 + \kappa\mu^2 \Rightarrow 676 - 100 = \kappa\mu^2 \Rightarrow 576 = \kappa\mu^2$
 $\Rightarrow \kappa\mu = \sqrt{576} \Rightarrow \kappa\mu = 24$.

iii) $\eta\gamma\theta = \frac{24}{26} = \frac{12}{13}$ $\varepsilon\theta\theta = \frac{24}{10} = \frac{12}{5}$