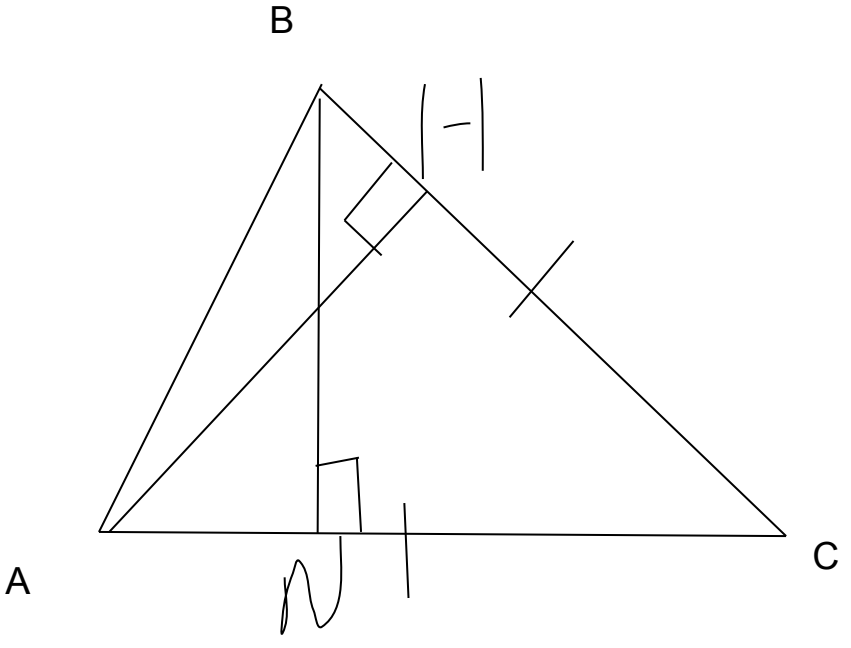
В треугольнике ABC $AC = BC$, AH — высота, $\operatorname{tg} BAC = \frac{24}{7}$. Найдите $\sin BAH$.



sinBAH-?

tgBAC=24/7=BN1/AN1

BN1=AH; BH=AN1
1+tg^2BAC=1/cos^2BAC=1/sin^2BAH
1+(24/7)^2=1/sin^2BAH
sin^2BAH=1/(1+(24/7)^2)=0.0784
sinBAH=0.28

Ответ:0.28

1+tg^2 x =1 + sin^2 x / cos^2 x=
=(cos^2 x + sin^2 x) / cos^ 2 x=
=1/cos^2 x