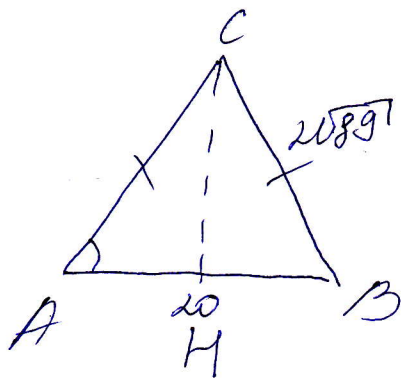




- 1) $CH \perp AB$
 $\text{tg } A = \frac{CH}{AH} \text{ (из } \triangle ACH - \angle H = 90^\circ)$
- 2) $AH = \frac{1}{2} AB = 10 \text{ (т.к. } \triangle ABC \text{ - равносторонний)}$
- 3) $\triangle ACH (\angle H = 90^\circ)$
 $AC^2 = AH^2 + CH^2 \text{ (по т. Пифагора)}$
 $CH = \sqrt{AC^2 - AH^2} = \sqrt{4 \cdot 89 - 100} =$
 ~~$\sqrt{356 - 100} = \sqrt{256} =$~~
 ~~16~~
 $= 16$
- 4) $\text{tg } A = \frac{16}{10} = 1,6$