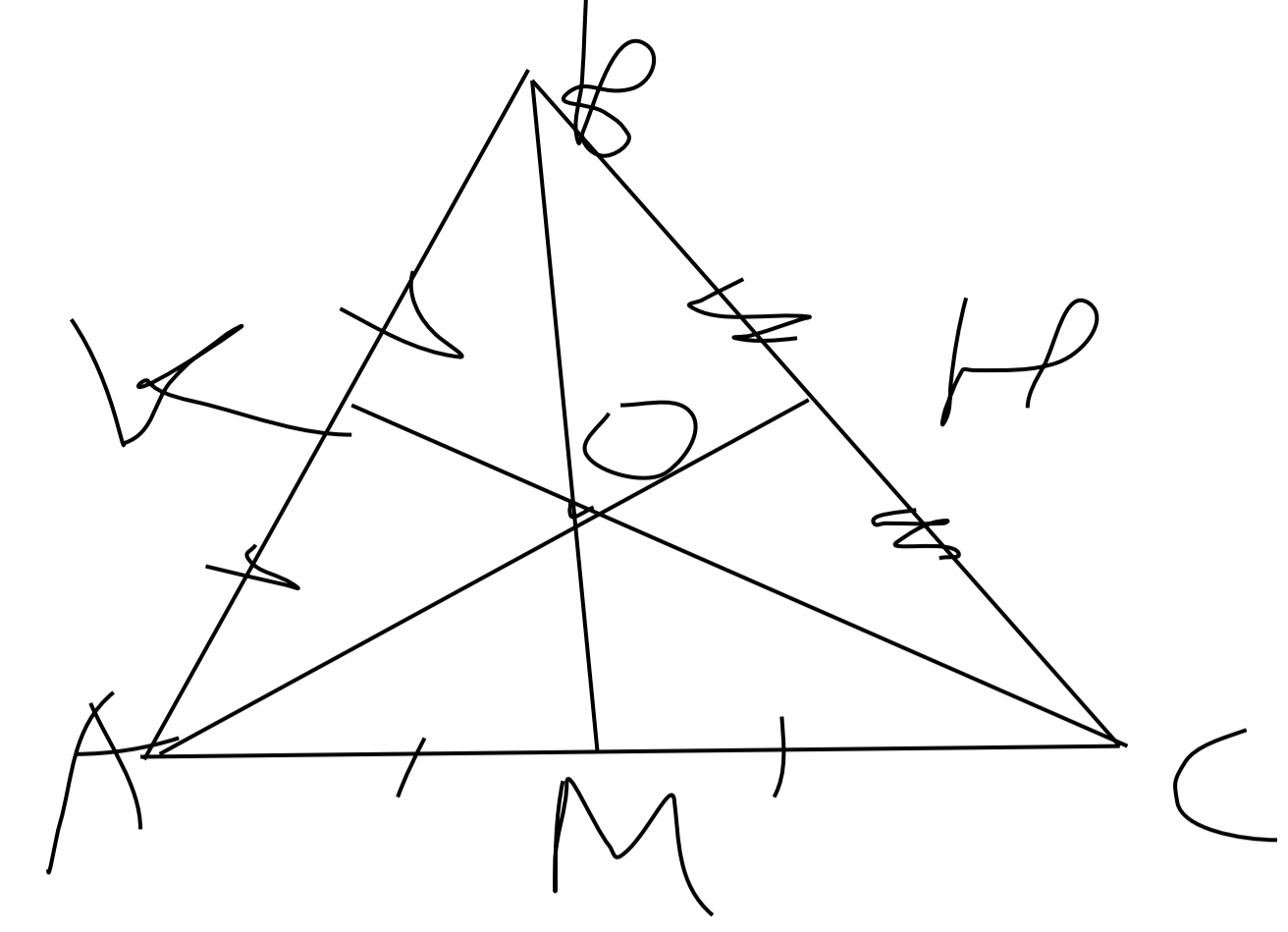
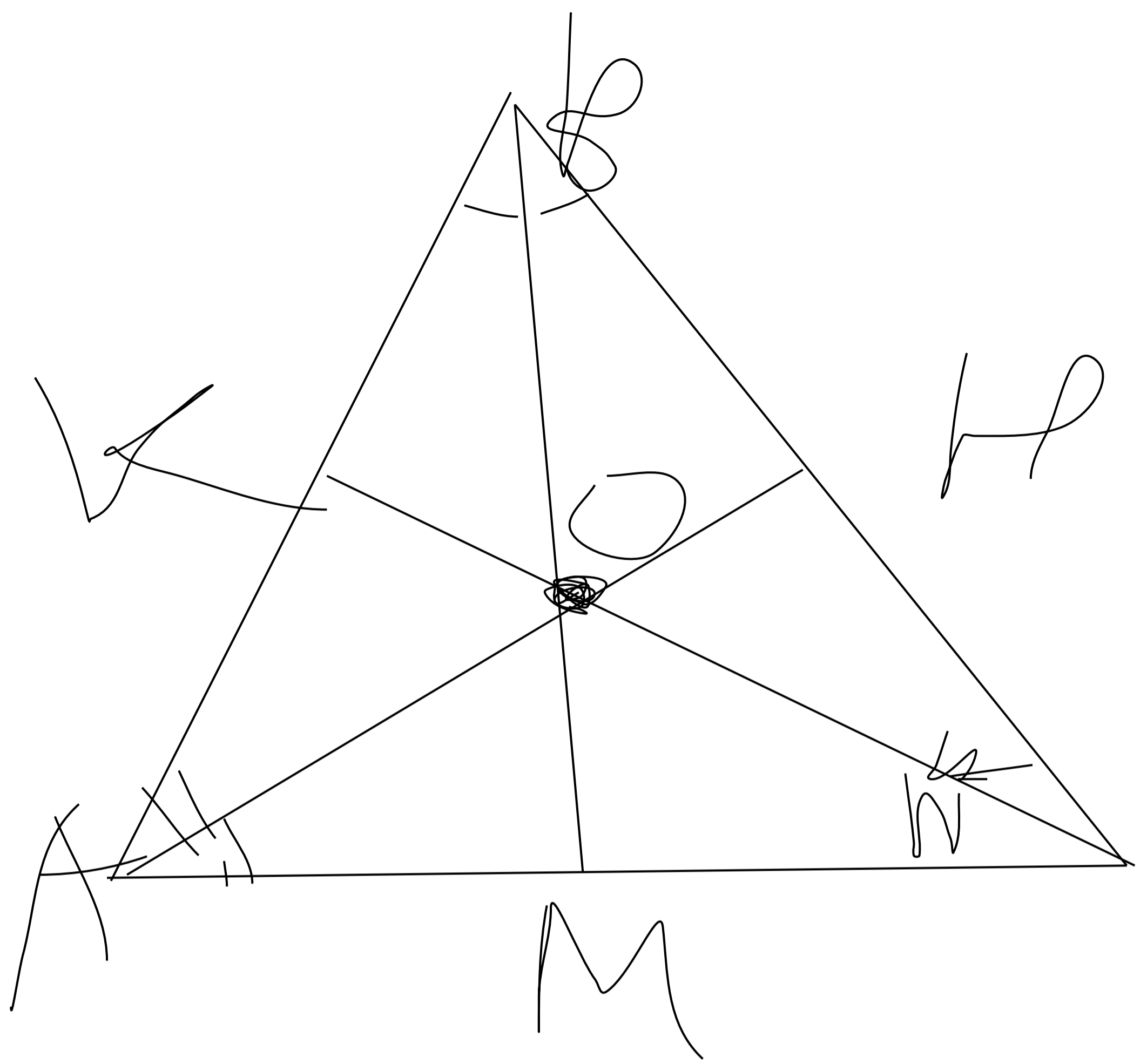
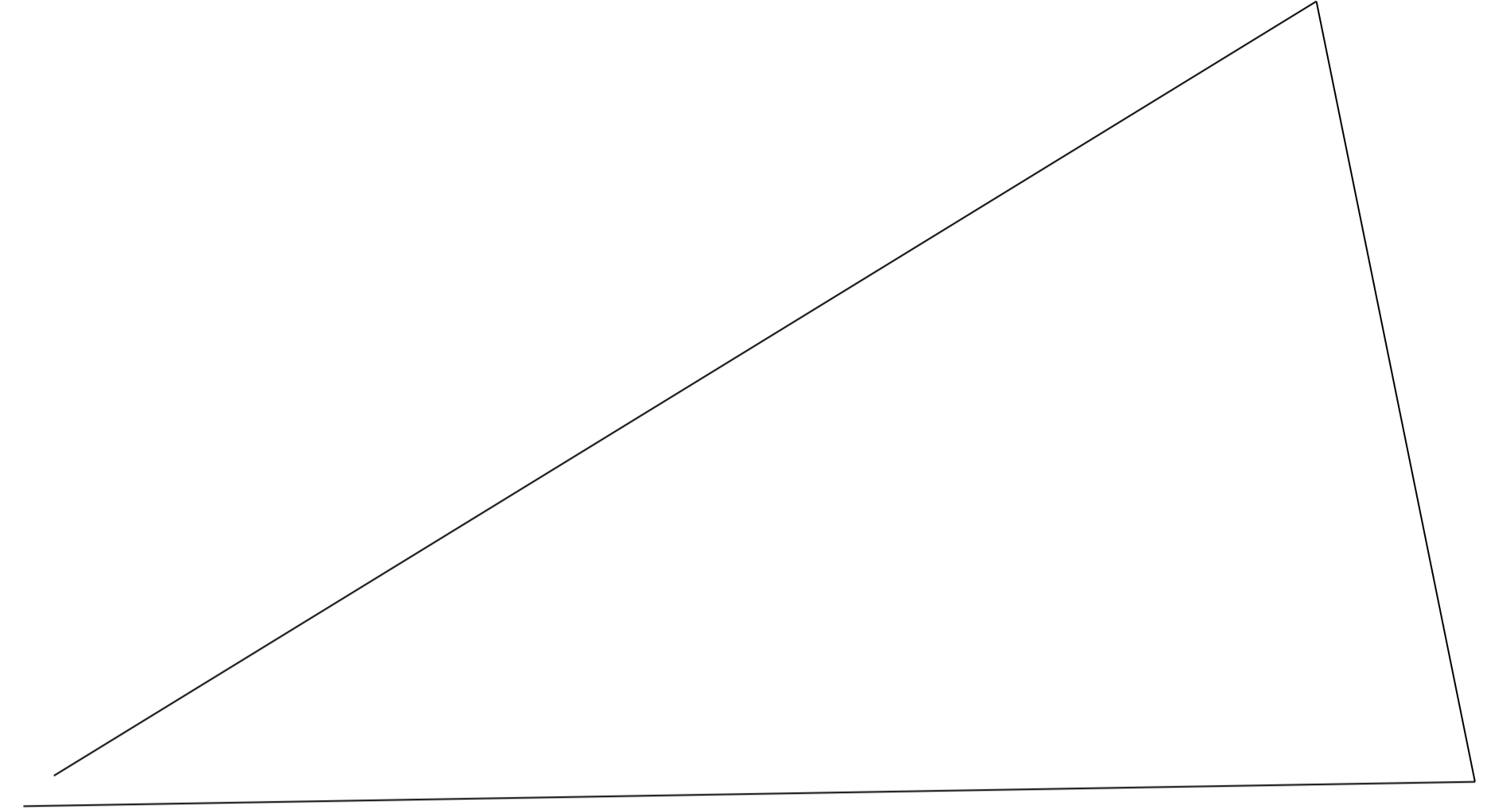


АН, ВМ, СК - медианы
 тогда
 $AB/2/AB/2 * BC/2/BC/2 * AC/2/AC/2 = 1$
 $1=1$
 справедливо.



СК, ВМ, АН - биссектр
 $AK/KB = AC/BC$
 $BH/HC = AB/AC$
 $AM/MC = AB/BC$
 ТОГДА
 $a/b * c/d * e/f = 1$
 $AC/BC * AB/AC * BC/AB = 1$
 $1=1$ верно



Проведем МК
 $ВAM \sim AKC$ по А и h
 $AK/AM = AC/AB = KC/BM$
 $AKM \sim ABC$ по А и $AK/AC = AM/AB$
 $KBH \sim ABC$
 $MHC \sim ABC$
 $AK/AC = AM/AB = KM/BC$
 $KB/BC = BH/AB = KN/AC$
 $CH/AC = CM/CB = HM/AB$
 $(AK * BH * CM) / (AC * BC * AB) = KB/BC * HC/AC * AM/AB$
 $AK/KB * BH/HC * CM/AM = 1$

