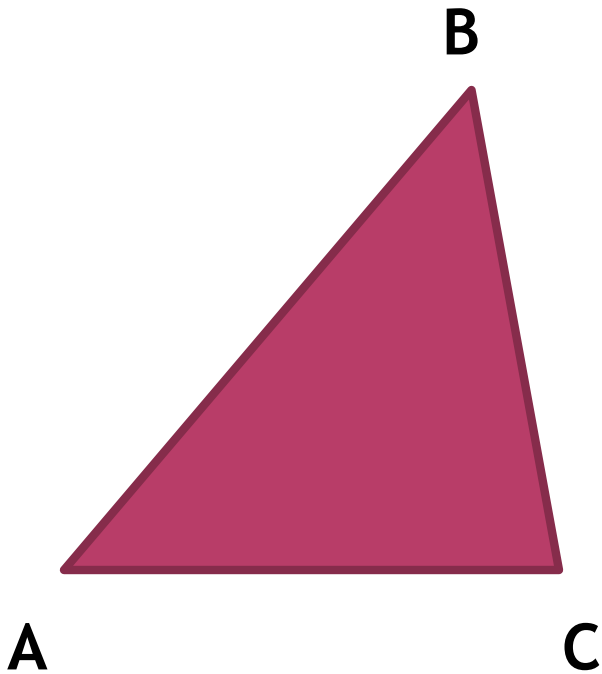


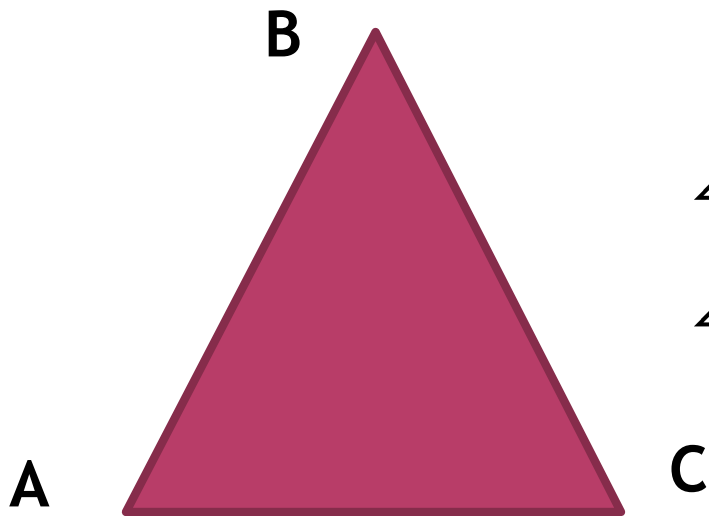
СООТНОШЕНИЯ МЕЖДУ СТОРОНАМИ И УГЛАМИ ТРЕУГОЛЬНИКА



$$\angle \hat{A} = 47^\circ; \angle \hat{A} = 53^\circ$$

$$\angle \tilde{N} - ?$$

$$\angle \tilde{N} = 180^\circ - (47^\circ + 53^\circ) = 80^\circ$$

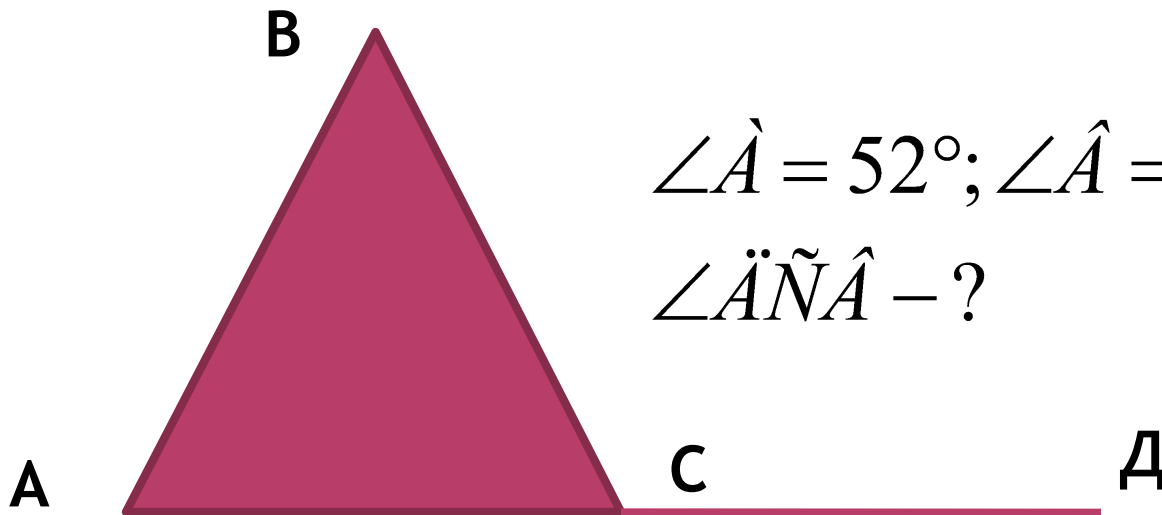


$$\angle A = 47^\circ; \angle A - ?$$

$$\angle C - ?$$

$$\angle A = \angle C = 47^\circ \text{ (isosceles triangle)}$$

$$180^\circ - (47^\circ + 47^\circ) = 86^\circ$$



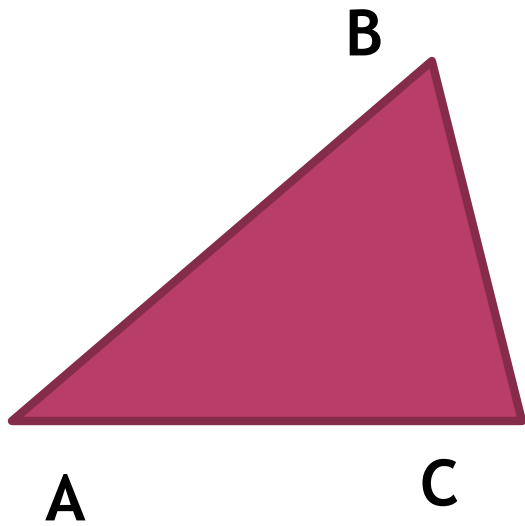
$$\angle A = 52^\circ; \angle C = 37^\circ$$

$$\angle A\tilde{N}A - ?$$

$$\angle A\tilde{N}A - \text{áíåøíèé} \quad _ \quad \text{óãîë}$$

$$\Delta A\tilde{N};$$

$$\angle A\tilde{N}A = 52^\circ + 37^\circ = 89^\circ$$



$$\angle A = 45^\circ; \angle C = 30^\circ$$

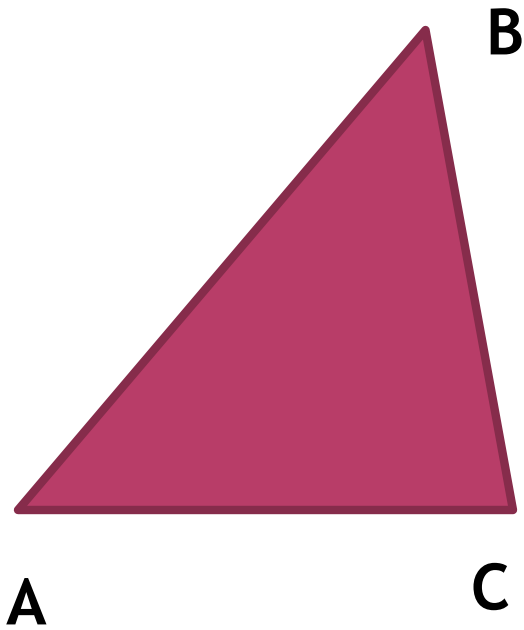
Ίσχύει η σχέση $\hat{A} + \hat{B} + \hat{C} = 180^\circ$

$$\hat{A} + \hat{B} + \hat{C} = 180^\circ$$

$$\hat{A} = 180^\circ - (45^\circ + 30^\circ) = 105^\circ \text{ — οότε — } \hat{B};$$

$$\hat{A} - \hat{C} = \hat{B} \Rightarrow$$

$$\hat{A} - \hat{C} = \hat{B}$$



$$\hat{A}\tilde{N} = 1,3\text{äi} ;$$

$$\hat{A}\tilde{N} = 1,4\text{äi} ;$$

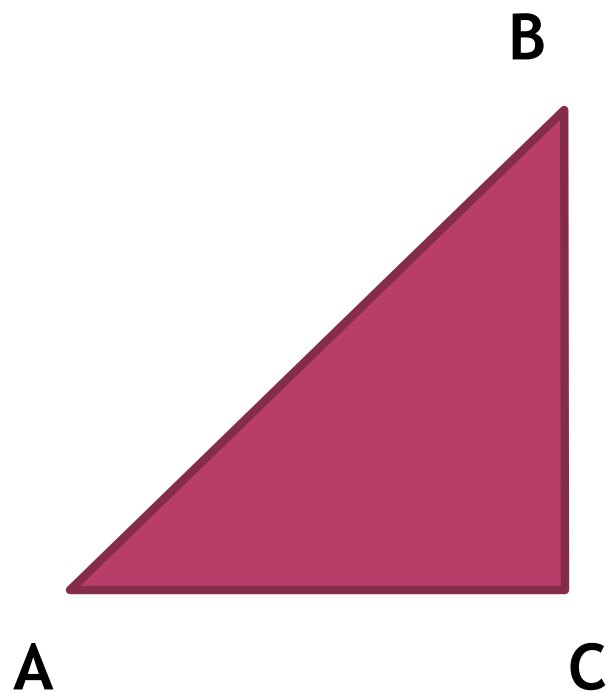
$$\hat{A}\tilde{N} = 2,9\text{äi}$$

$$\hat{A}\tilde{N} < \hat{A}\hat{A} + \hat{A}\tilde{N}$$

$$2,9\text{äi} < 1,3\text{äi} + 1,4\text{äi}$$

$$2,9\text{äi} < 2,7\text{äi} \text{ (íâââđíî) } \Rightarrow$$

$$\Rightarrow \text{òđâóãîëüíè é } _ \text{ íâ } _ \text{ ñóùâñòâóâò}$$



$$\angle \tilde{N} = 90^\circ$$

AC - катет

BC - катет

AB - гипотенуза