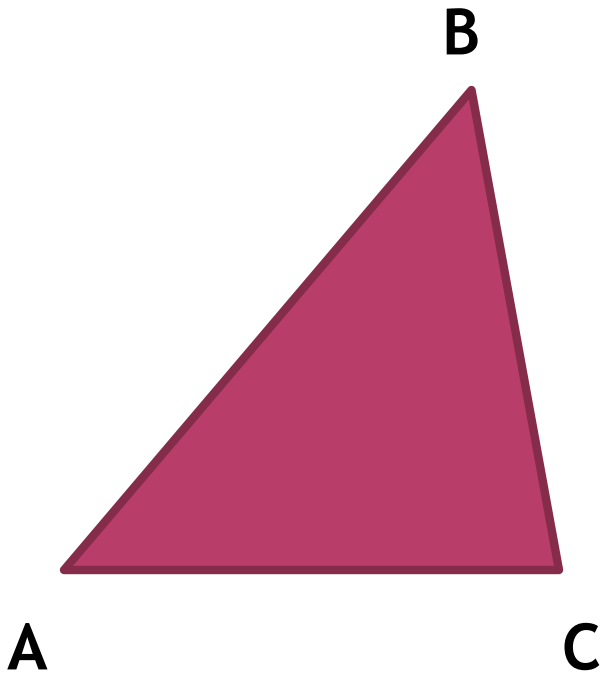


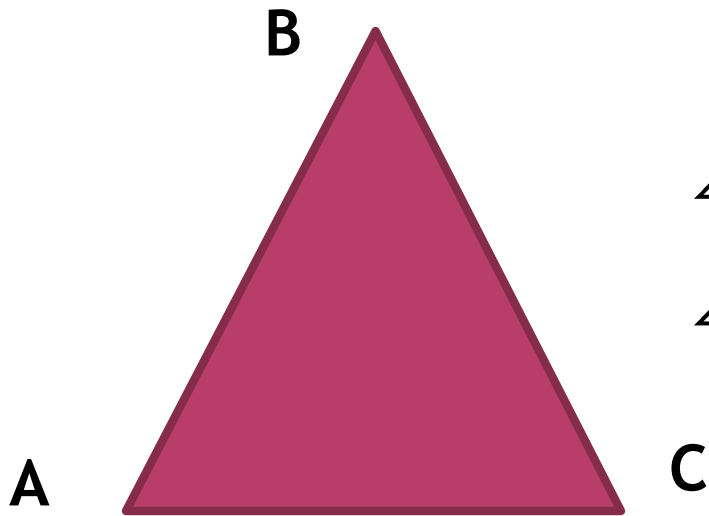
# СООТНОШЕНИЯ МЕЖДУ СТОРОНАМИ И УГЛАМИ ТРЕУГОЛЬНИКА



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

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

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



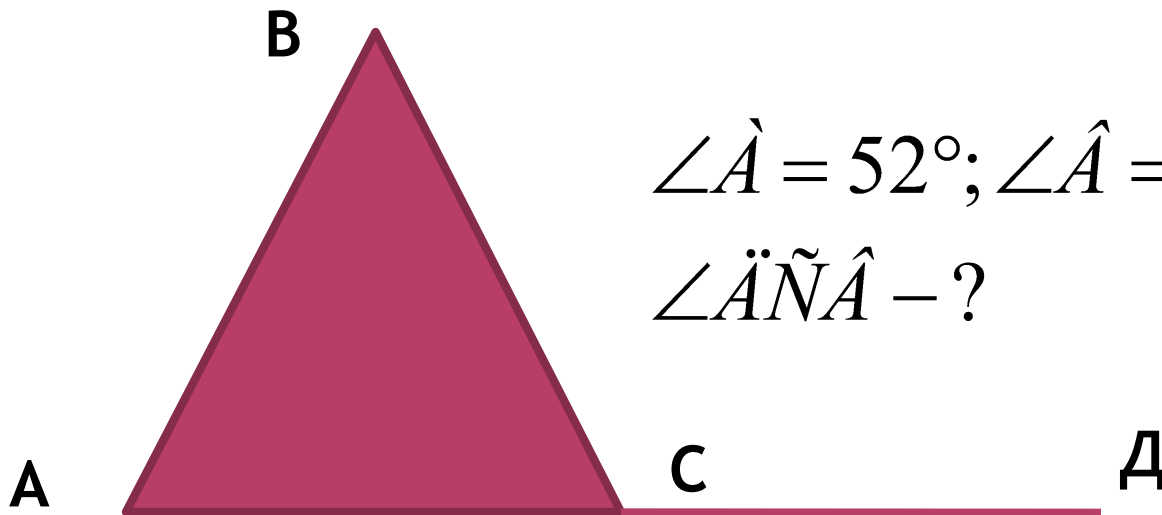
$$\angle A = 47^\circ; \angle A - ?$$

$$\angle N - ?$$

$$\angle A = \angle A = 47^\circ \text{ (óãëü _ iðè _ îñíîâàíèè}$$

$$\delta\grave{a}\acute{a}\acute{i}\acute{i}\acute{a}\acute{a}\acute{d}\acute{a} \acute{i}\acute{i}\acute{a}\acute{i} \text{ _ } \grave{o}\grave{d}\acute{a}\acute{o}\acute{a}\acute{i}\acute{e}\acute{u}\acute{i}\acute{e} \acute{e}\grave{a})$$

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



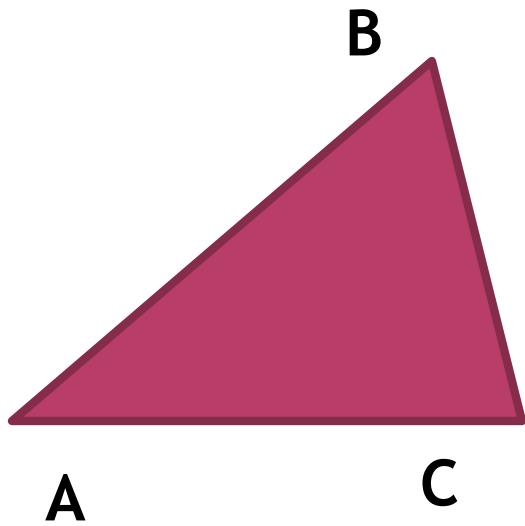
$$\angle A = 52^\circ; \angle C = 37^\circ$$

$$\angle CAD = ?$$

$$\angle CAD = \text{exterior angle} = \text{opposite interior angle}$$

$$\Delta ABC;$$

$$\angle CAD = 52^\circ + 37^\circ = 89^\circ$$



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

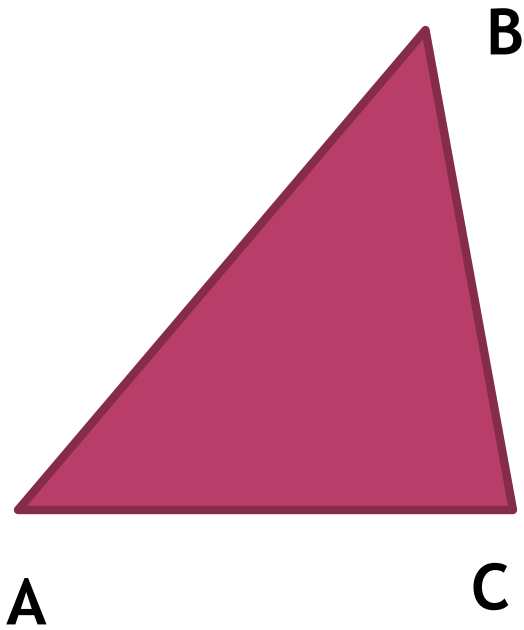
Ίσχύει η σχέση  $\hat{A} + \hat{B} + \hat{C} = 180^\circ$

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

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

$$\hat{A} - \hat{C} = 105^\circ - 30^\circ \Rightarrow$$

$$\hat{B} = 75^\circ \text{ — ηλαδή —}$$



$$\hat{A}\tilde{N} = 1,3\text{äi} ;$$

$$\hat{A}\tilde{N} = 1,4\text{äi} ;$$

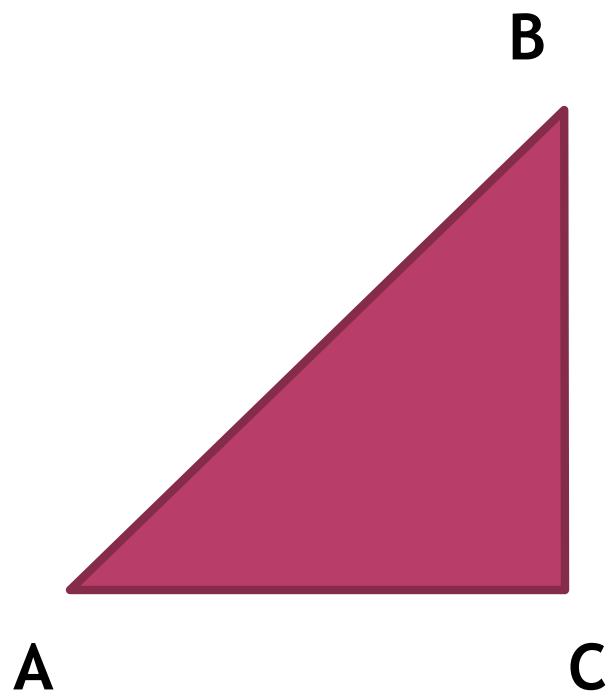
$$\hat{A}\tilde{N} = 2,9\text{äi}$$

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

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

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

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



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

AC - катет

BC - катет

AB - гипотенуза