

ΑΣΚΗΣΗ: Να επιλυθεί τρίγωνο  $AB\Gamma$  με  $a=16$ ,  
 $\hat{A}=46^\circ$  και  $\hat{B}=95^\circ$

Λύση

$$\frac{a}{\eta\mu A} = \frac{b}{\eta\mu B} \Leftrightarrow$$

$$\frac{16}{\eta\mu 46^\circ} = \frac{b}{\eta\mu 95^\circ} \Leftrightarrow$$

$$\frac{16}{0,719} = \frac{b}{0,996} \Leftrightarrow$$

$$0,719 \cdot b = 15,936 \Leftrightarrow$$

$$b = \frac{15,936}{0,719}$$

$$b = 22,164$$

$$\hat{\Gamma} = 180^\circ - (46^\circ + 95^\circ) = 180^\circ - 141^\circ = 39^\circ$$

$$\frac{a}{\eta\mu A} = \frac{\gamma}{\eta\mu \Gamma} \Leftrightarrow$$

$$\frac{16}{\eta\mu 46^\circ} = \frac{\gamma}{\eta\mu 39^\circ} \Leftrightarrow$$

$$\frac{16}{0,719} = \frac{\gamma}{0,629} \Leftrightarrow$$

$$0,719 \cdot \gamma = 16 \cdot 0,629 \Leftrightarrow$$

$$0,719 \cdot \gamma = 10,064 \Leftrightarrow$$

$$\gamma = \frac{10,064}{0,719} \Leftrightarrow$$

$$\gamma = 13,997$$