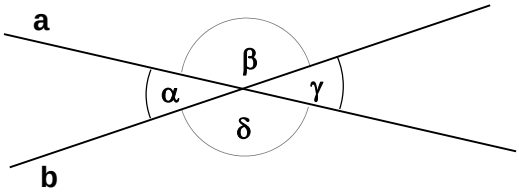
ALCUNE PROPRIETÀ DEGLI ANGOLI

↳ **Angoli opposti al vertice: a** e **b** rette incidenti.

Angoli opposti al vertice:

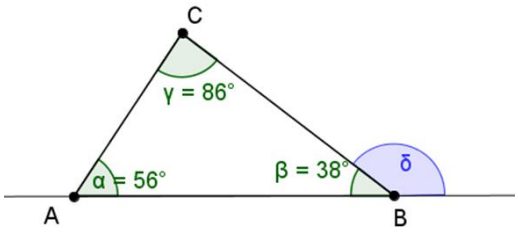
$\alpha = \gamma \;\; ; \;\; \beta = \delta$



↳ **Somma delle ampiezze degli angoli interni di un triangolo**

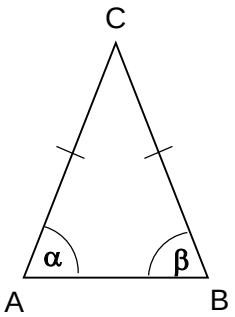
$\alpha + \beta + \gamma = \mathbf{180°}$

$\delta = \cdots \ldots \ldots \ldots \ldots \ldots$

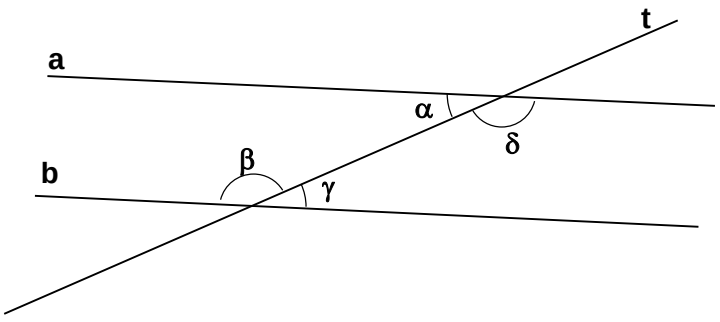


↳ **Triangolo isoscele**

$|AC| = |BC| \Leftrightarrow \alpha = \beta$



↳ **Angoli formati da due rette parallele a, b tagliate da una trasversale t**



Angoli alterni:

$\alpha = \gamma \;\; ; \;\; \delta = \beta$

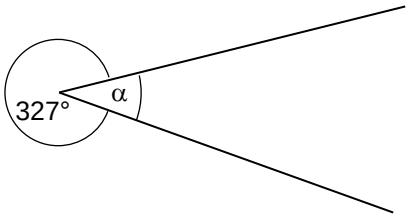
ESERCIZI SUGLI ANGOLI

Nelle seguenti figure:

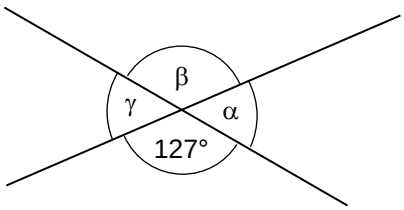
- il simbolo **//** indica che le rette così contrassegnate sono parallele;
- il simbolo **o** indica il centro di un arco di circonferenza disegnato.

Determina le ampiezze indicate dalle lettere greche, spiegando, su un foglio a parte, i passaggi che ti conducono alla soluzione.

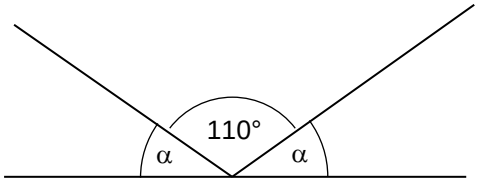
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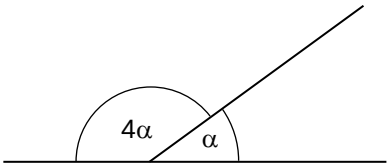
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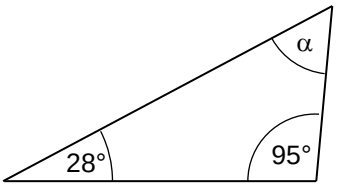
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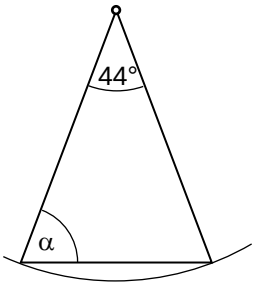
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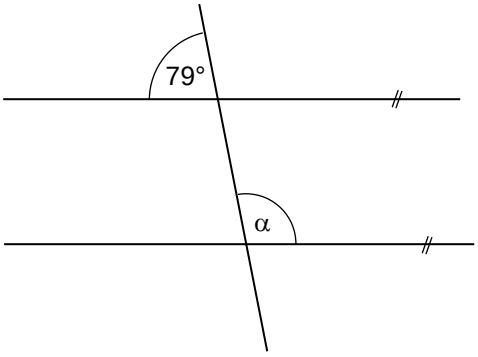
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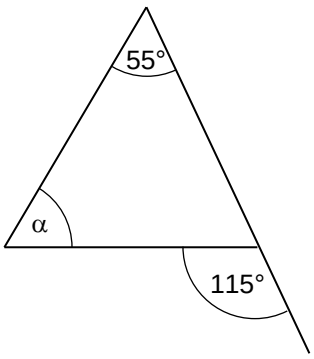
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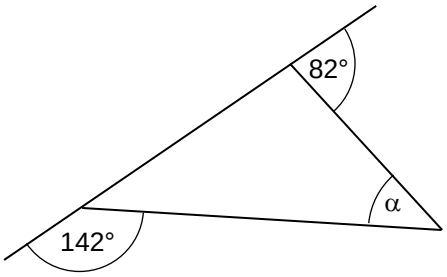
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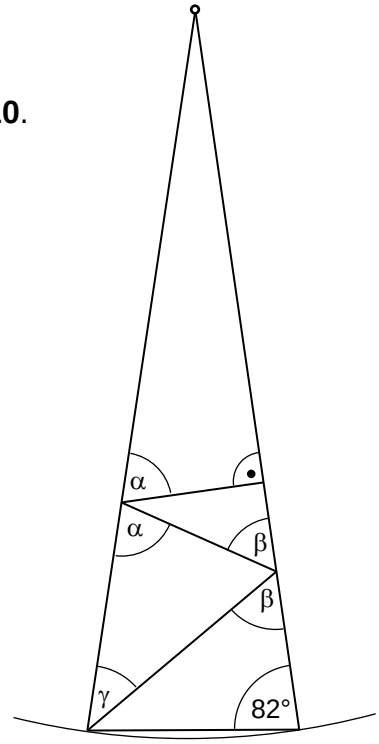
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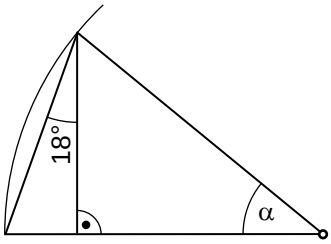
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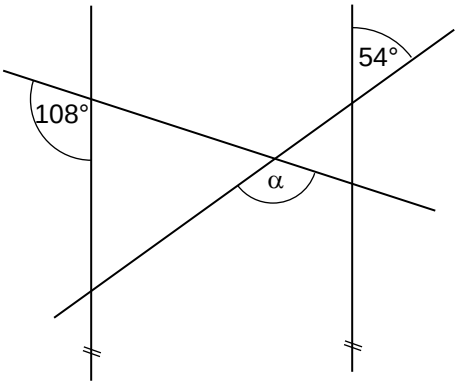
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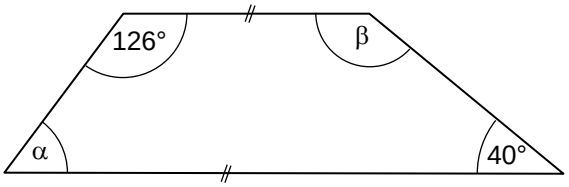
11.



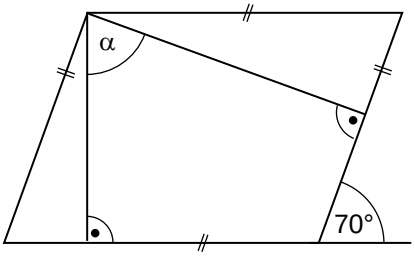
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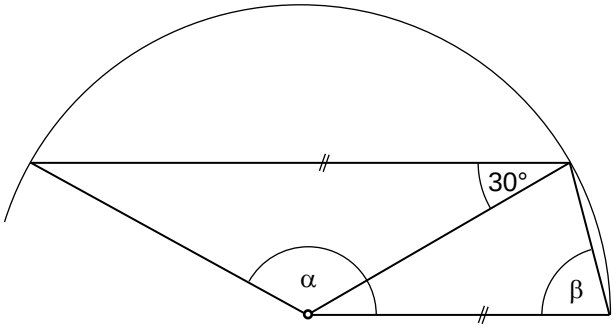
13.



14.

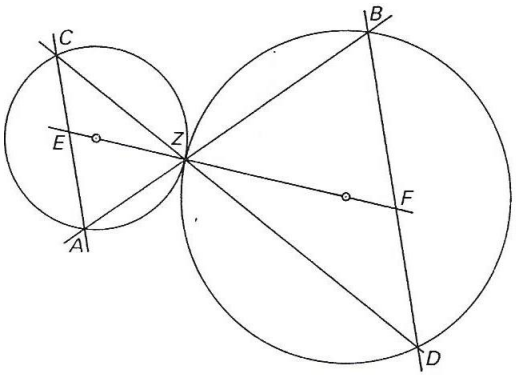


15.



Applicazioni alla similitudine.

Nelle seguenti figure, ricercare la similitudine dei triangoli, specificando la congruenza degli angoli.



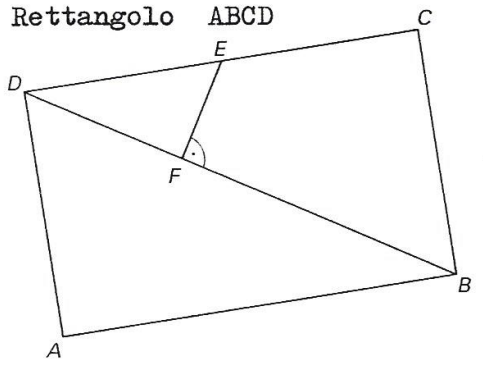
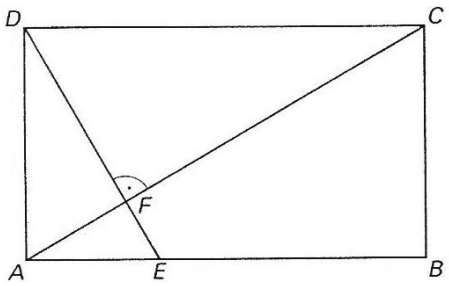
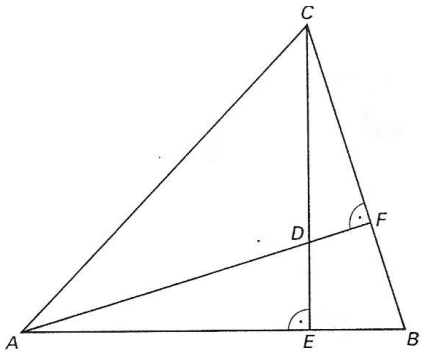
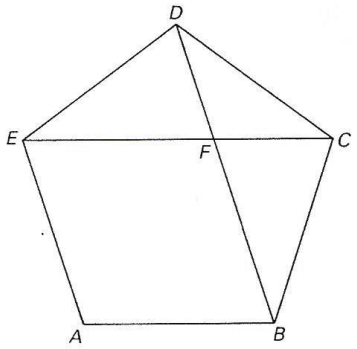
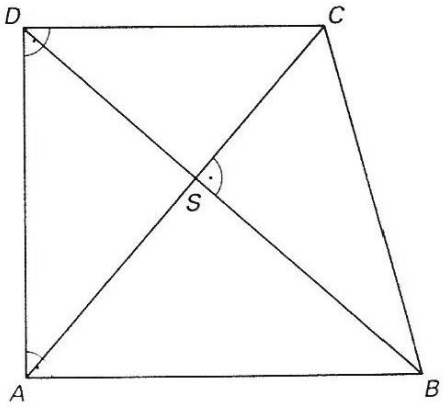


Figura 1









Esercizi:

a) Rappresenta un triangolo ABC.

Rappresenta il triangolo A'B'C' avente per vertici i punti medi del primo triangolo.
Osserva le due figure geometriche: puoi dire che *sono* **simili**? Perché?

b) Rappresenta un poligono non regolare.

Rappresenta il poligono avente per vertici i punti medi del primo poligono.
Osserva le due figure geometriche: puoi dire che sono simili?