The Distinct Points on the Triangle

ili

Četiri karakteristične točke trokuta

~ korelacija matematike i engleskog jezika ~

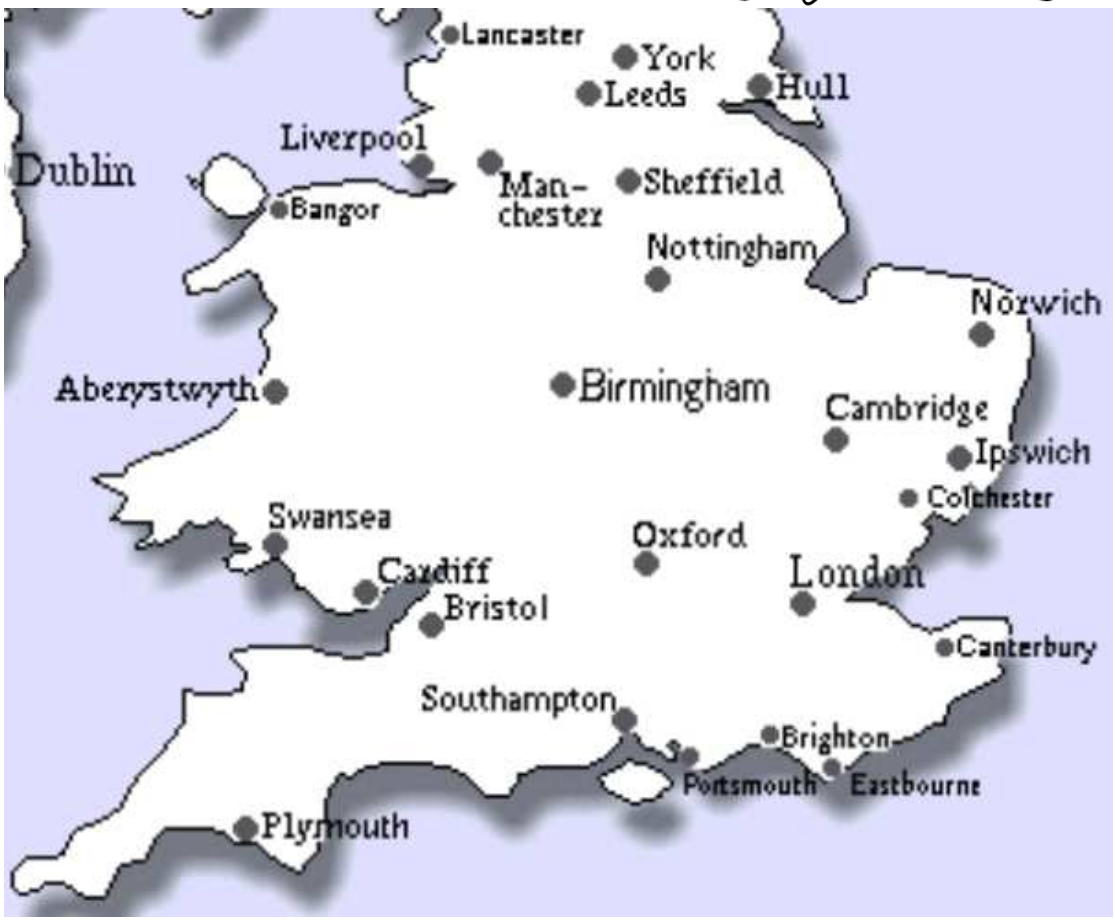
Kolegica **Irena Mezei-Belovai** (matematika) i
kolega **Tamaš Serda** (engleski jezik)
iz OŠ "Sonja Marinković" u Zrenjaninu
napravili su ovaj zgodan materijal
kroz koji možemo korelirati
nastavu Matematike i Engleskog jezika.
U izvornom materijalu je u tablicama,
umjesto prijevoda s engleskog na hrvatski,
tražen prijevod s engleskog na mađarski jezik.

Najtoplije zahvaljujem autorima na slanju materijala
i na dozvoli da ga objavim na svojim web stranicama.

Antonija Horvatek
Matematika na dlanu
http://www.antonija-horvatek.from.hr/

The Distinct Points on the Triangle

1st Charlie Brown, Peppermint Patty and Sally Brown decided to meet each other on Christmas Eve. Charlie is in London, Patty is in York and Sally is in Swansea. They all agreed that the meeting point will be the same distance from the location they are now. Mark the city where they are meeting!



ENGLISH:	CROATIAN:
perpendicular bisector	
circumcenter	

2nd Snoopy stays in London and he wonders about a present. He wants to surprise his owner with a special present. While building his doghouse, a piece of triangle shaped plywood and a cylinder shaped stick left over. He wants to make a one-legged triangular table. Help him to find the point where he will attach the table leg. Draw the point on this illustration below!

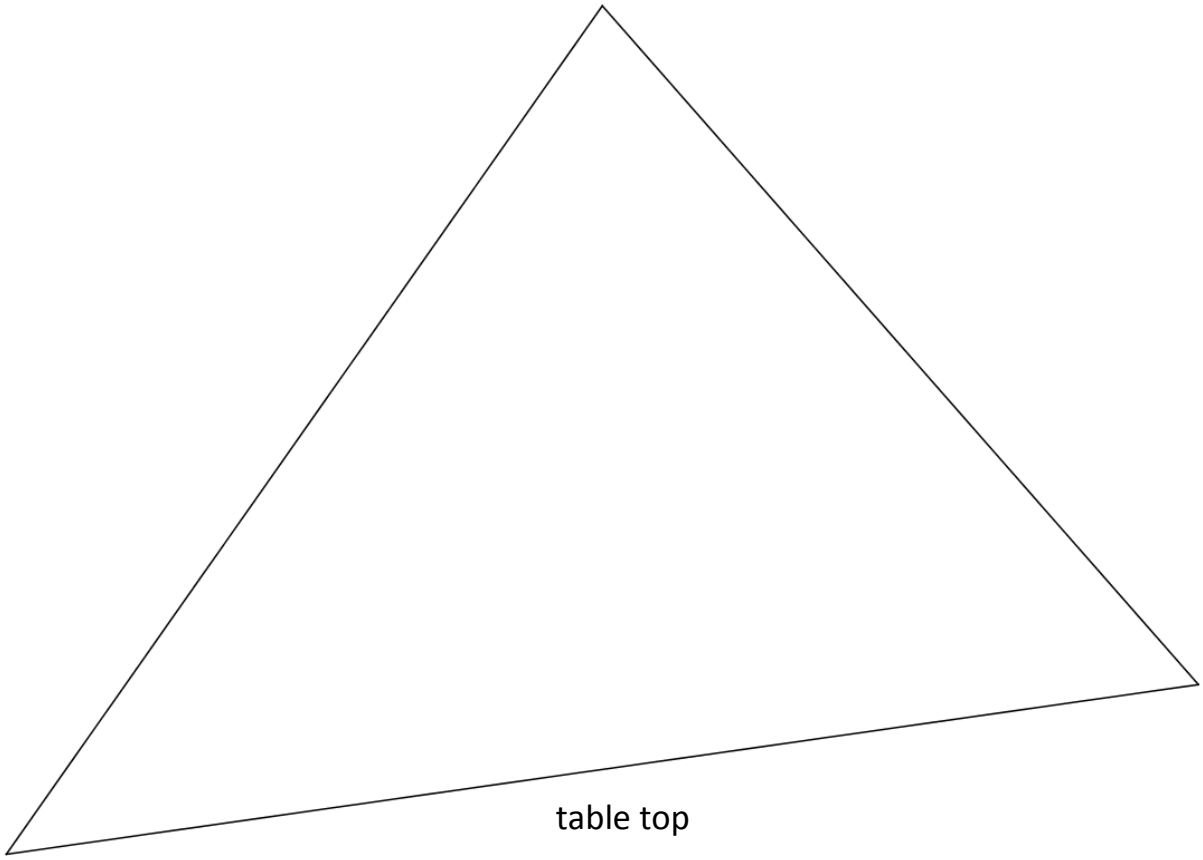
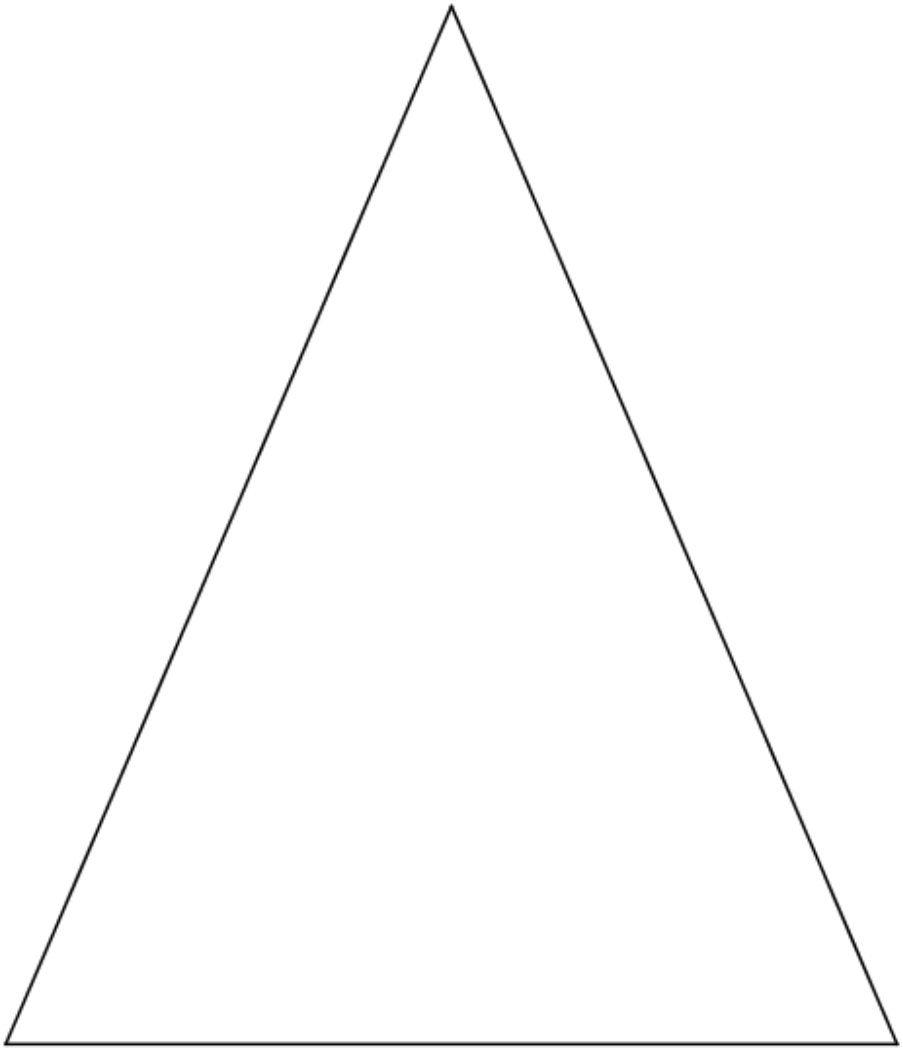


table top

ENGLISH:	CROATIAN:
median	
centroid	

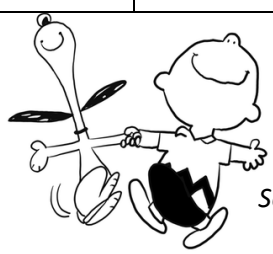
<u>3rd</u> While he was making the present, he became thirsty. He went to his water bowl and he had an idea. Where should he throw a rock into the water so the ripples hit the 3 sides at the same moment?



ENGLISH:	CROATIAN:
angle bisector	
incenter	

4th London's 3 busiest streets make a triangle. Charlie gets out of the car at one corner, Patty gets out at another one and Snoopy at the third corner (vertices of the triangle). They want to find the shortest route to the opposite street by walking across the Green Park. Draw their route. Is there any point at which they all pass on?

ENGLISH:	CROATIAN:
altitude	
orthocenter	



Készítették: Szerda Tamás angoltanár és
Mezei-Belovai Irén matematikatanár
Sonja Marinković Általános Iskola, Nagybecskerek

R J E Š E NJ A

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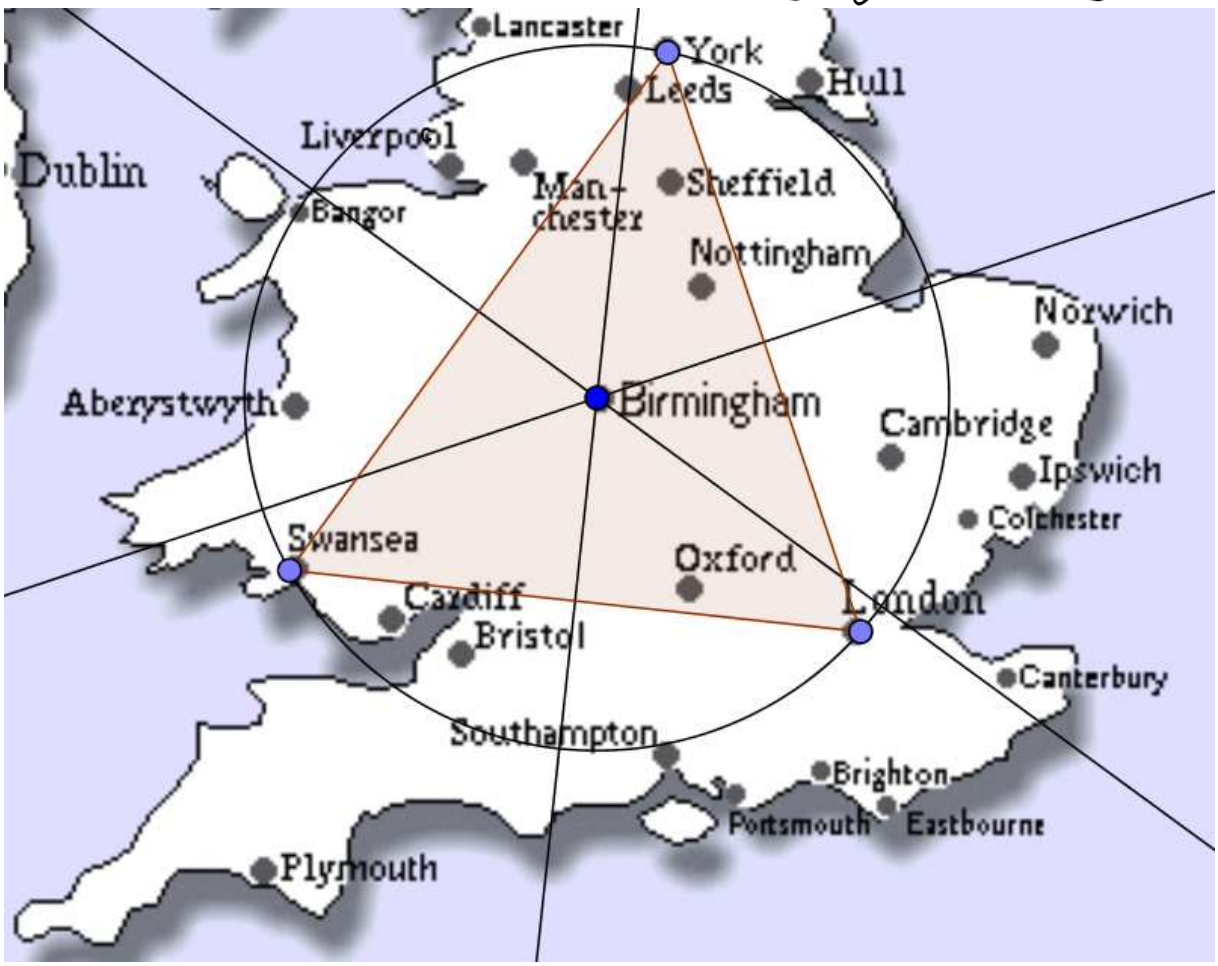

ENGLISH:	CROATIAN:
perpendicular bisector	simetrala dužine
circumcenter	središte opisane kružnice

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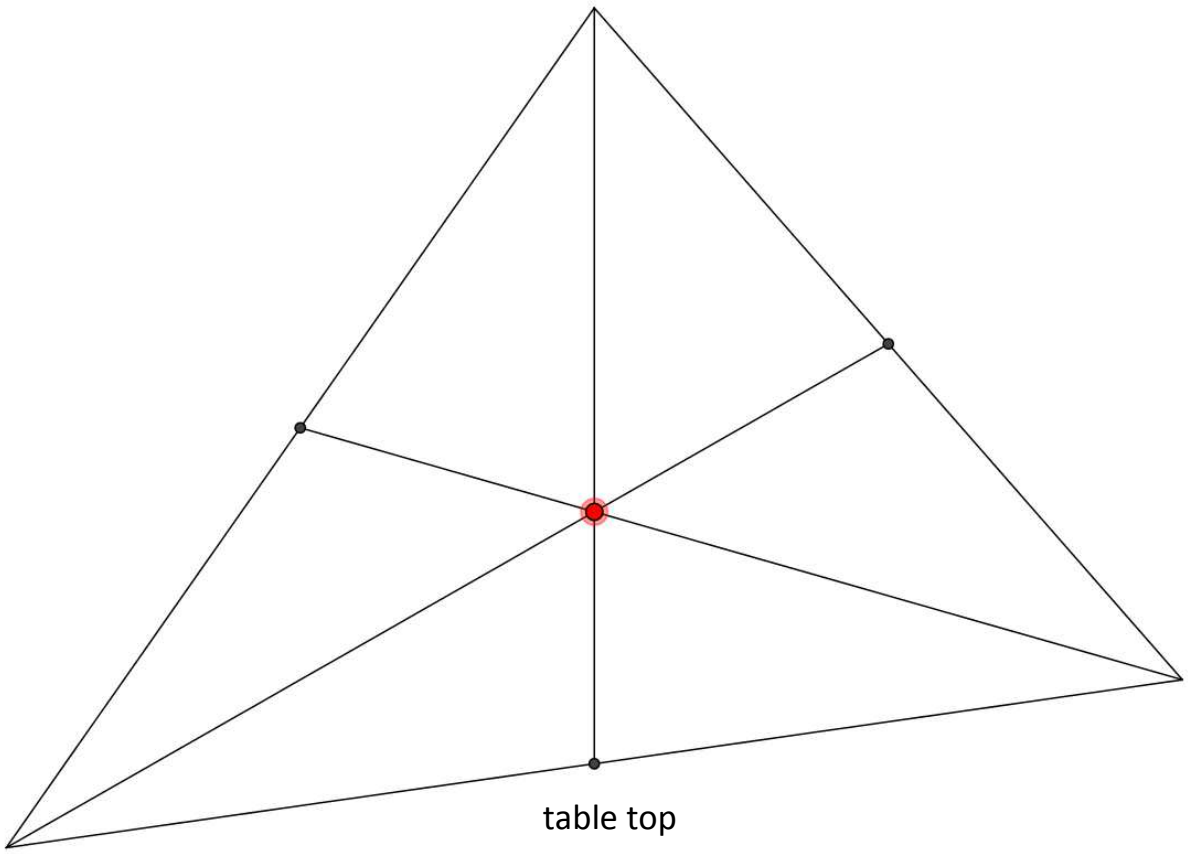
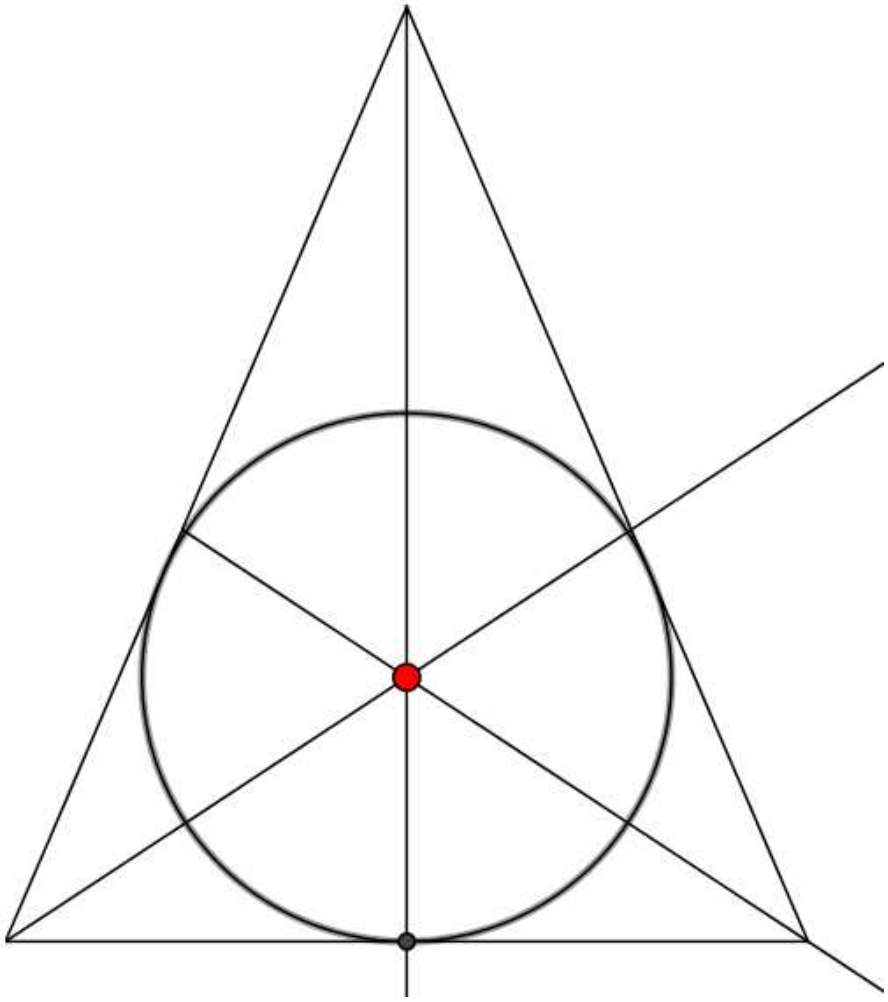


table top

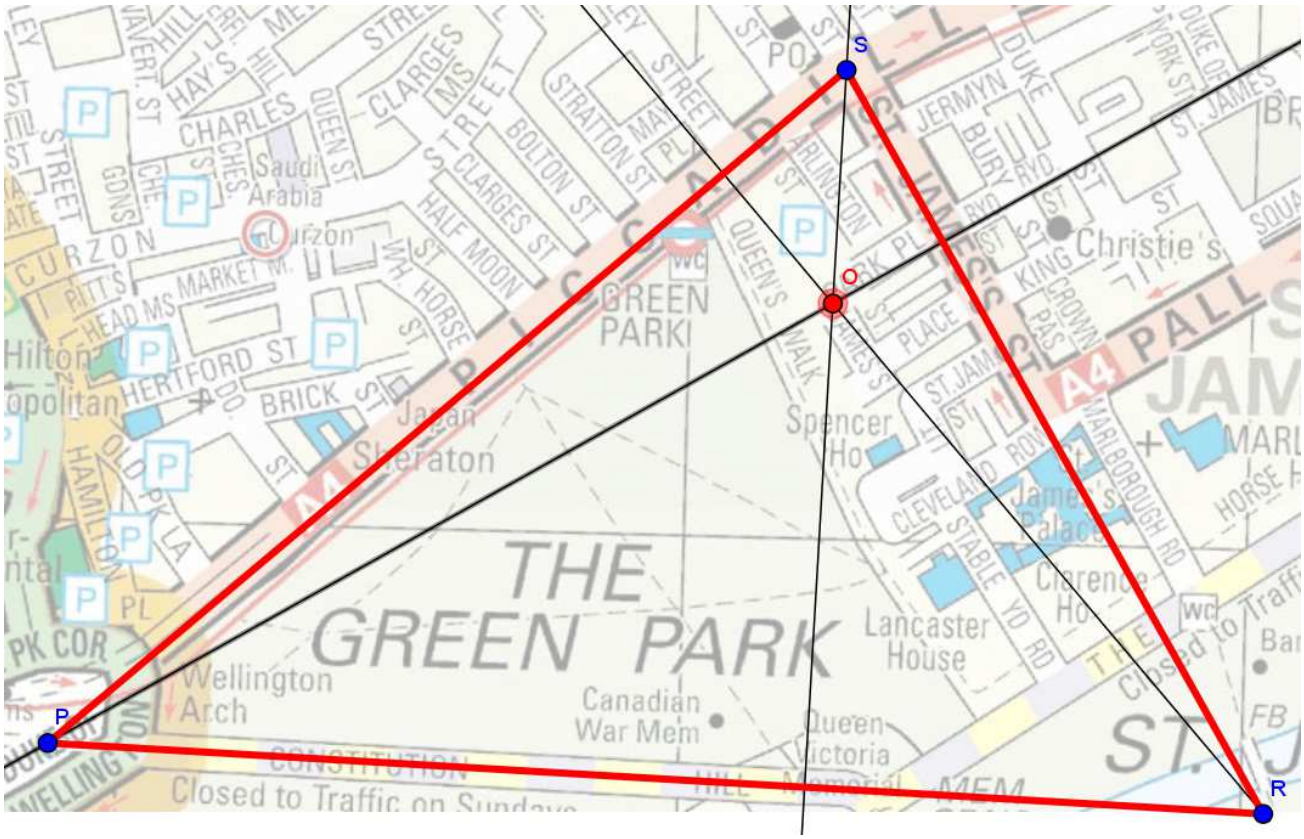
ENGLISH:	CROATIAN:
median	težišnica
centroid	težište

<u>3rd</u> While he was making the present, he became thirsty. He went to his water bowl and he had an idea. Where should he throw a rock into the water so the ripples hit the 3 sides at the same moment?



ENGLISH:	CROATIAN:
angle bisector	simetrala kuta
incenter	središte upisane kružnice

4th London's 3 busiest streets make a triangle. Charlie gets out of the car at one corner, Patty gets out at another one and Snoopy at the third corner (vertices of the triangle). They want to find the shortest route to the opposite street by walking across the Green Park. Draw their route. Is there any point at which they all pass on?



ENGLISH:	CROATIAN:
altitude	visina
orthocenter	ortocentar

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