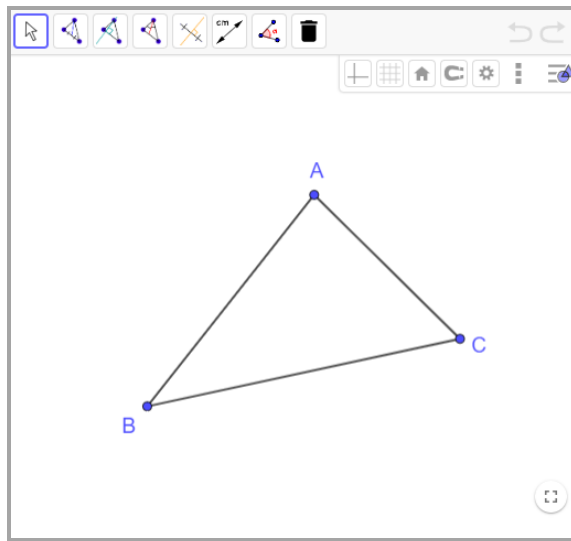






F.3 Mathematics: Lines in a Triangle

Name: _____ () F.3 _____

<https://ggbm.at/9982083>

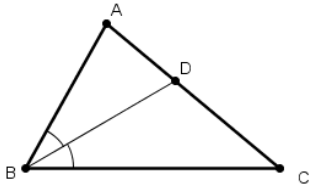


1. Use the tool  and click on the vertices to construct the **median** at A , B and C . Drag A , B and C and observe the geometric properties of the medians. Check the boxes of the table below.
2. Use the tool  and click on the vertices to construct the **altitudes** at A , B and C . Drag A , B and C and observe the geometric properties of the altitudes. Check the boxes of the table below.
3. Use the tool  and click on the vertices to construct the **angle bisectors** at A , B and C . Drag A , B and C and observe the geometric properties of the medians. Check the boxes of the table below.
4. Use the tool  and click on the vertices to construct the **perpendicular bisectors** at A , B and C . Drag A , B and C and observe the geometric properties of the medians. Check the boxes of the table below.

Geometric Properties	Medians	Altitudes	Angle Bisectors	Perpendicular Bisectors
Passing through the vertices of the triangle				
Bisect the sides of the triangle				
Bisect the angles of the triangle				
Perpendicular to the sides of the triangle				
Three lines <i>concurrent</i>				

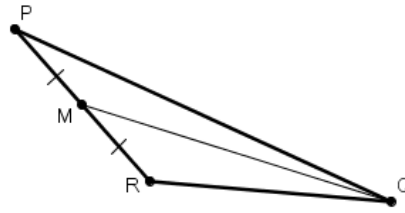
Exercises

1.



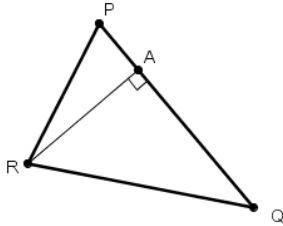
BD is a _____ of the triangle.

2.



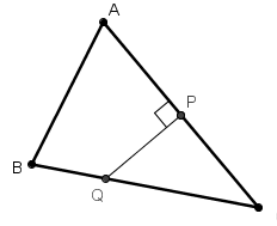
MQ is a _____ of the triangle.

3.



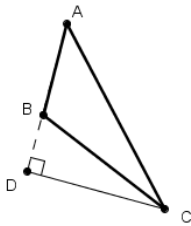
AR is a _____ of the triangle.

4.



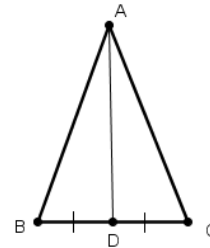
PQ is a _____ of the triangle.

5.



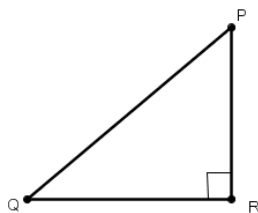
CD is a _____ of the triangle.

6.



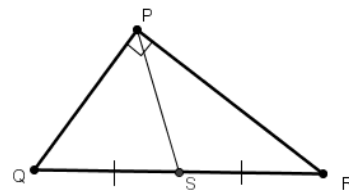
AD is a _____ of the triangle.

7.



QR is a _____ of the triangle.

8.



PS is a _____ of the triangle.

Try also the interactive exercises of the link.

<https://goo.gl/Mexb62>

