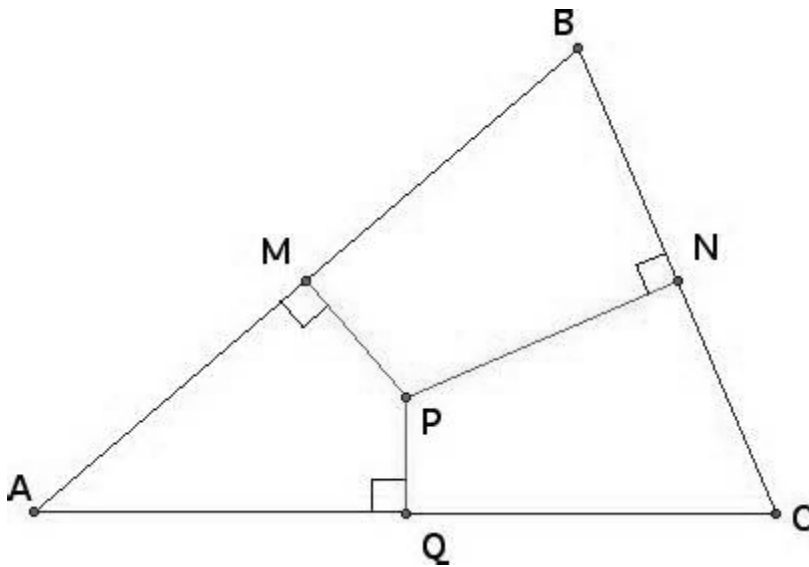


Homework Assignment

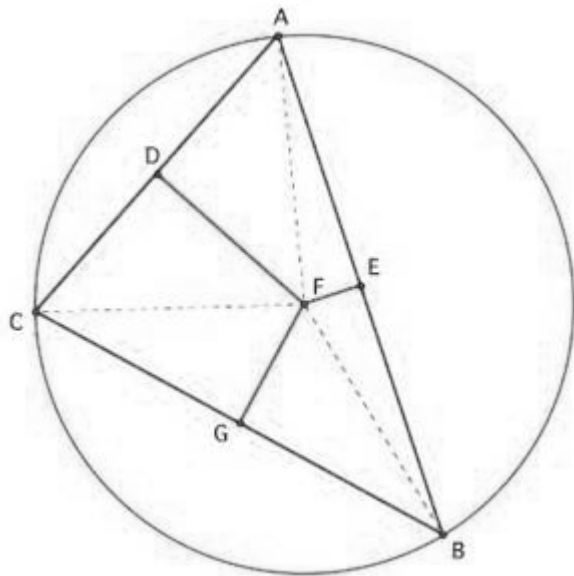
- 1) Draw and completely label a perpendicular bisector.

- 2) Consider the diagram shown. Name all perpendicular bisectors and the segments they bisect.



- 3) What are the similarities and differences between an angle bisector and a perpendicular bisector?

Use the picture below to solve the following problem



4) The distance FC equals $2x - 5$ and the distance FA equals $x^2 + 3$. Find the distance FB .

5) List the similarities and differences between the circumcenter and the incenter. Draw a triangle and label both points.