



FUNDAMENTAL THEOREM OF CIRCULAR GEOMETRY

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Annotation:

It is known that the solution to the issues of making in the school and higher catchment areas is carried out with the help of a ruler and a circle. While the geometry of making helps students a lot in their mastery of geometry, it also gives a positive result in the application of science to practice.

It will be desirable that the solution of the issues of making with the help of one making weapon is carried out in extracurricular activities.

We show that the fundamental theorem of circular geometry (the Mor – Maceroni theorem) is appropriate.

Each constructive issue given for making in the Euclidean plane using a circle and a drawing is solved by using the following basic simple issues in the appropriate order:

1. A straight line can be passed from a given two points.
2. From a given point, a circle of given radius can be transferred.
3. The intersection point of a given two circles can be found (if they intersect).
4. Finding the intersection point of a given circle and a given straight line with two points.
5. Finding the intersection point of two straight lines given by two points.

To prove that any problem that can be solved using a circuit and a draw can only be solved using a circuit, it is enough to show that the above basic issues can only be solved using a circuit.

The second and third Masas appear to be fitting without a branch.

When we are generally told to make a question that can be yeshed using a circle and a drawing only by yessing with a circle, it is possible to understand how to solve the above five basic steps in a row. Basic theorem. All the problems of making can be solved with the help of a circle and a ruler only with the help of a circle.

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