Euclidean Geometry

Lectures

Proving The Angle Bisector Theorem

- 1. Given that the circles on the picture shown are tangent to each other, find the radius of the smallest circle. Solution
- 2. Given a circle and an external point *P*, construct the tangent lines to the circle from *P*. Solution
- 3. The two circles shown on the picture have the same center and their radii are in a ratio of 3 to 1. In triangle ABC, side AC is a diameter in the larger circle and side BC is tangent to the smaller circle. Side AB is 18 units long. Find the exact value of the length of side AC Solution



For more documents like this, visit our page at https://teaching.martahidegkuti.com and click on Lecture Notes. E-mail questions or comments to mhidegkuti@ccc.edu.

