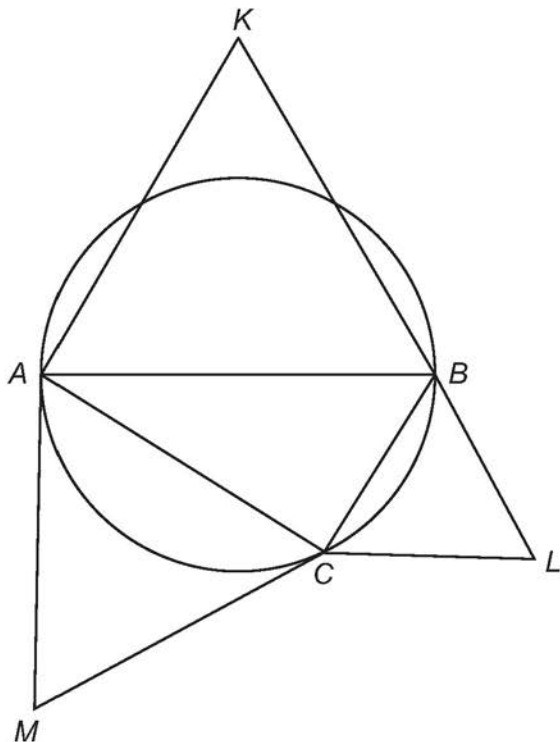**9**   The diagram below shows a circle and four triangles.

AB is a diameter of the circle. *C* is a point on the circumference of the circle.

Triangles *ABK*, *BCL* and *CAM* are equilateral.

Prove that the area of triangle *ABK* is equal to the sum of the areas of triangle *BCL* and triangle *CAM*.

[5 marks]