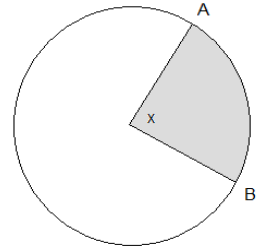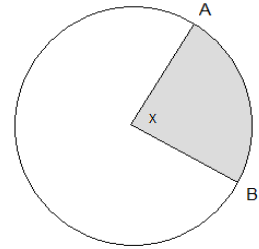# QUIZ – MATH GRADE 11 IB SL

1. (10%) Given that the radius of the circle is 4 m and the minor arc AB is 6 m, find the angle x in degrees. Diagram not to scale.

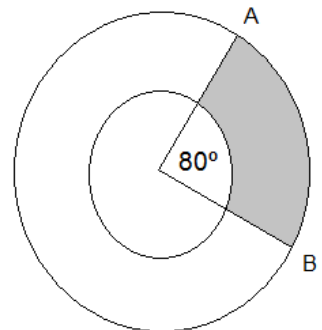2. (20%) Given that the radius of the circle is 3 cm and that area shaded is 12 cm^2. find:

   a. (12%) The angle x in degrees.

   b. (8%) The perimeter of the shaded area.

3. (20%) Given 2 concentric circle and that the radius of the small circle is 5 cm. The radius of the bigger circle is 9cm.
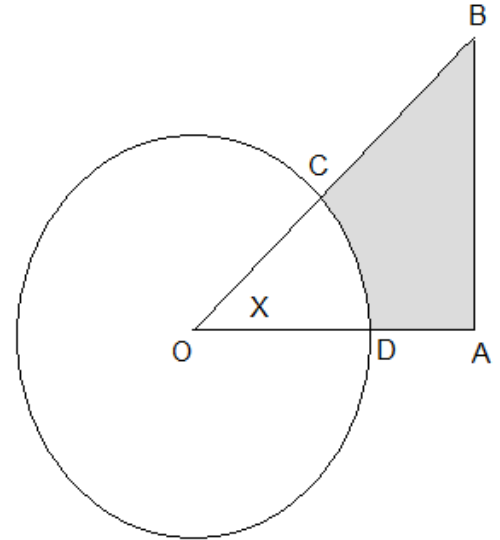
   a. (10%) Find the area shaded.

   b. (10%) Find the perimeter of the area shaded

4. (50%) Given that the angle x is $45°$. The radius of the circle is 4 cm and point C is the centre of the segment OB. Diagram not to scale. Find (exact answers only):

   a. (25%) The area shaded

   b. (25%) The perimeter of the area shaded