

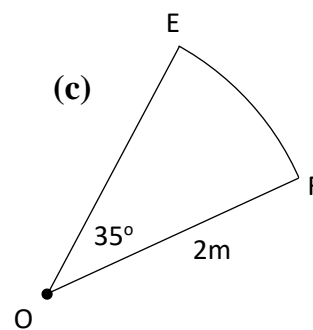
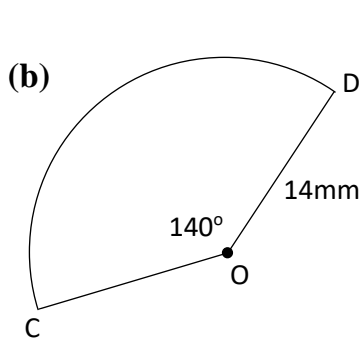
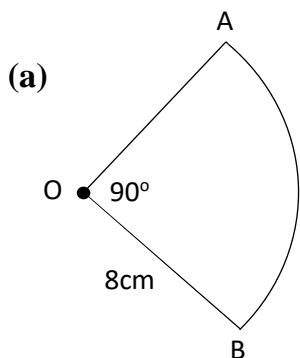


Lesmahagow High School
Mathematics Department

BGE Arc Length

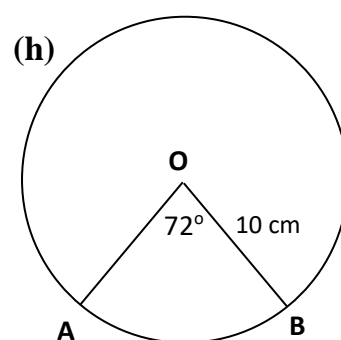
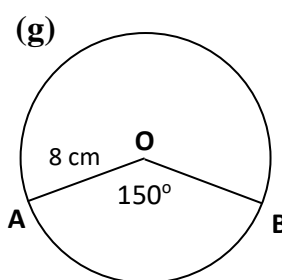
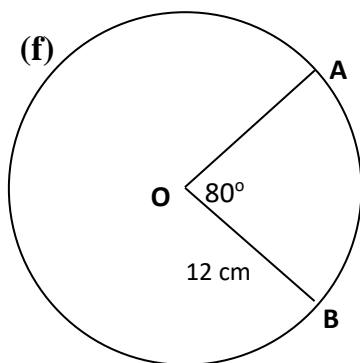
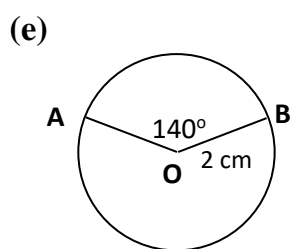
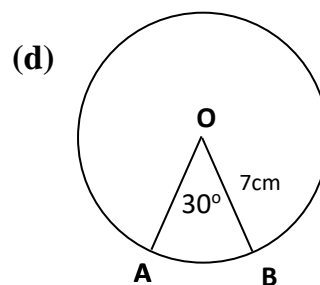
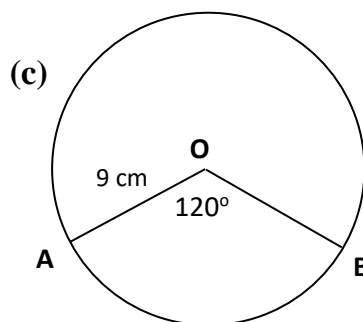
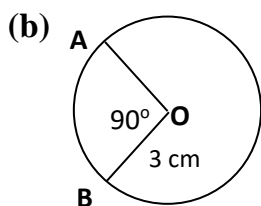
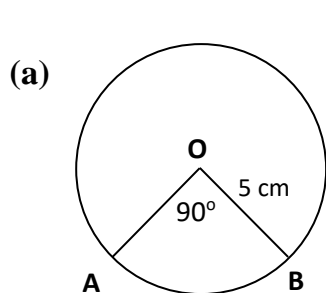
WORKING with the LENGTH of an ARC of a CIRCLE

1. Calculate the length of the arc in each diagram below, giving your answer correct to 1d.p.



2. Calculate the perimeter of each sector in Question 1. Giving your answers correct to 1 d.p.

3. Find the length of the minor arc AB in each of the following circles, giving your answers correct to 1 d.p.



4. Calculate the length of the major arc in the circles shown in Question 3, giving your answers correct to 1 d.p.