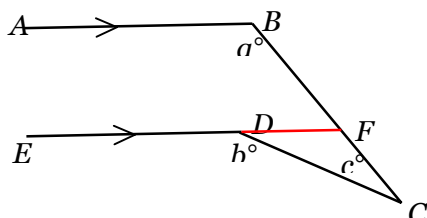


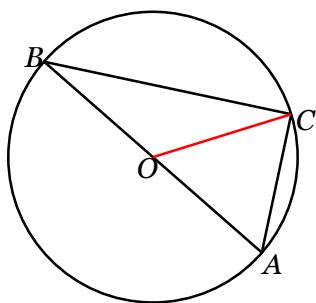
Adding auxiliary lines: Hints

<http://topdrawer.aamt.edu.au/Geometric-reasoning/Misunderstandings/Revealing-the-invisible/Adding-auxilliary-lines>

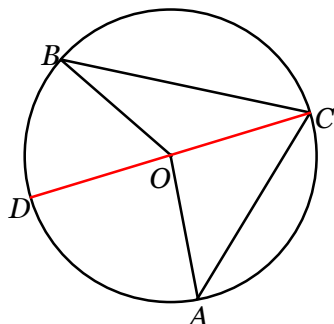
1. Produce ED to F .



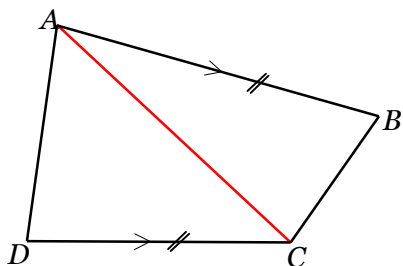
2. Construct OC .



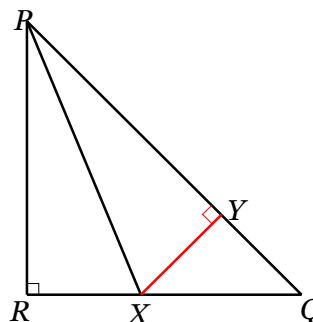
3. Construct the diameter CD .



4. Construct the diagonal AC .

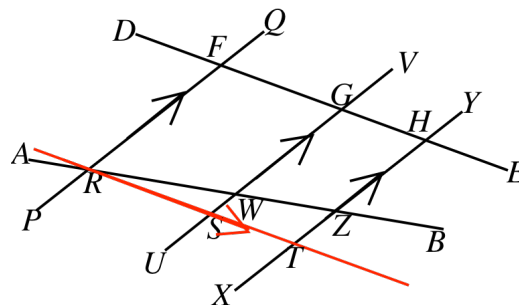


5. Construct the perpendicular from X to PQ meeting PQ at Y .



Challenge hints

1. Construct $RT \parallel DE$



2. Produce PQ to Y so that $QX \parallel YR$.

