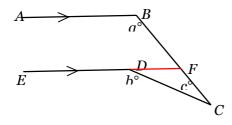


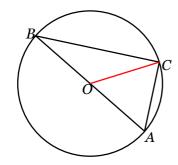
Adding auxiliary lines: Hints

 $\underline{http://topdrawer.aamt.edu.au/Geometric-reasoning/Misunderstandings/Revealing-the-invisible/Adding-auxilliary-lines}$

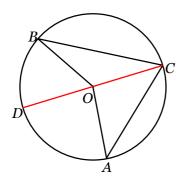
1. Produce ED to F.



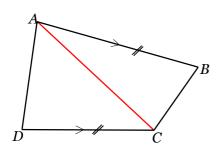
2. Construct OC.



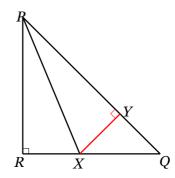
3. Construct the diameter CD.



4. Construct the diagonal *AC*.

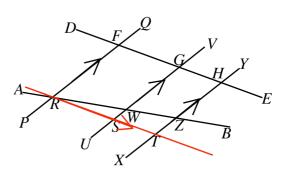


5. Construct the perpendicular from *X* to *PQ* meeting *PQ* at *Y*.

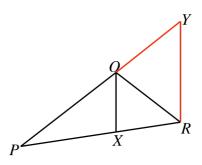


Challenge hints

1. Construct $RT \mid\mid DE$



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



AAMT — TOP DRAWER TEACHERS

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