## Adding auxiliary lines: Hints

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

1. Produce $E D$ to $F$.

2. Construct $O C$.

3. Construct the diameter $C D$.

4. Construct the diagonal $A C$.

5. Construct the perpendicular from $X$ to $P Q$ meeting $P Q$ at $Y$.


## Challenge hints

1. Construct $R T \| D E$

2. Produce $P Q$ to $Y$ so that $Q X \| Y R$.


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