

Constructing a Unique or Special Triangle part 2c Questions

- 1) (a) Using rulers and compasses only, construct the triangle PQR, with $PQ=11\text{cm}$, $QR=9\text{cm}$ and $PR=7\text{cm}$. Show all construction lines clearly.
(b) Measure and state the size of angle QRP

- 2) (a) Using rulers and compasses only, construct the triangle OPQ, with $OP=9.5\text{cm}$, $PQ=6.5\text{cm}$ and $OQ=7.5\text{cm}$. Show all construction lines clearly.
(b) Measure and state the size of angle QOP

- 3) (a) Using rulers and compasses only, construct the triangle BEF, with $BE=10.5\text{cm}$, $EF=8\text{cm}$ and $BF=6\text{cm}$. Show all construction lines clearly.
(b) Measure and state the size of angle BEF

- 4) (a) Using rulers and compasses only, construct the triangle IJK, with $IJ=11.5\text{cm}$, $JK=9.5\text{cm}$ and $IK=8\text{cm}$. Show all construction lines clearly.
(b) Measure and state the size of angle IKJ