Constructing a Unique or Special Triangle part 3b Questions

1) a) Using rulers and compasses only, construct the triangle ABC, with AB= 9.5cm, BE=7.5cm and ABC= 120°.
   Show all construction lines clearly.

   b) Measure and state the length of AC

2) a) Using rulers and compasses only, construct the triangle FGH, with FG= 8cm, GH=7.5cm and FGH= 120°.
   Show all construction lines clearly.

   b) Measure and state the length of FH

3) a) Using rulers and compasses only, construct the triangle PQR, with PQ= 7.5cm, QR=6.5cm and PQR= 120°.
   Show all construction lines clearly.

   b) Measure and state the length of PR

4) a) Using rulers and compasses only, construct the triangle KLM, with KL= 8.5cm, LM=6.5cm and KLM= 120°.
   Show all construction lines clearly.

   b) Measure and state the length of KM

5) a) Using rulers and compasses only, construct the triangle UVW, with ST= 9cm, VW=8.5cm and UVW= 60°.
   Show all construction lines clearly.

   b) Measure and state the length of UW

6) a) Using rulers and compasses only, construct the triangle BCE, with BC= 5.5cm, CE=6cm and BCE= 60°.
Show all construction lines clearly.

b) Measure and state the length of BE

7) a) Using rulers and compasses only, construct the triangle XYZ, with XY= 6.5cm, YZ=9cm and XYZ= 150°.
Show all construction lines clearly.

b) Measure and state the length of XZ