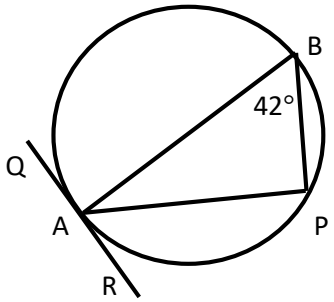
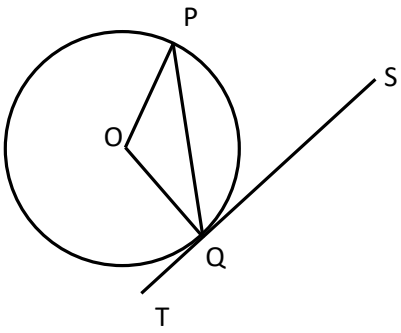
National 5 Final Exam Revision	
Geometric Skills	Applying Properties of Shapes for Angles
Average Allocation	2 / 3 Marks

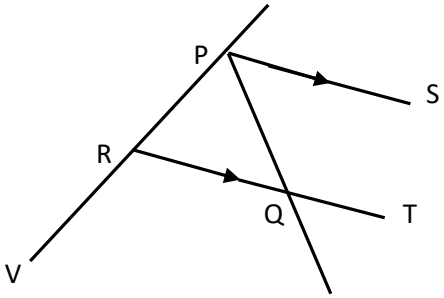
1. In the circle below, AB is a diameter and P lies on the circumference. QR is a tangent to the circle at A. If angle ABP is 42°, calculate the size of angle PAR.



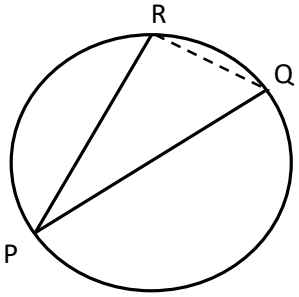
2. In the circle below, O is the centre. PQ is a chord and ST is a tangent at Q.
If angle POQ is 118°, calculate the size of angle PQS.



3. In the diagram below, PS is parallel to RT. Make a neat sketch of the diagram.
Given that angle RPQ is 65° and PQT is 120°, work out the size of angle QRV.



4. In the circle below, PQ is a diameter of length 26cm. Chord PR is 18cm. Calculate the length of the shorter chord QR.



5. In the circle below with centre O, two tangents are drawn from P to Q and R.
   If angle QOR = 140°, find the size of angle OPQ.