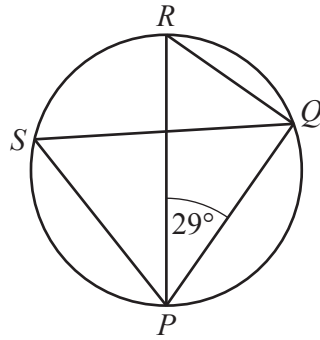**2** **(a)**

NOT TO
SCALE

The points *P*, *Q*, *R* and *S* lie on a circle with diameter *PR*.
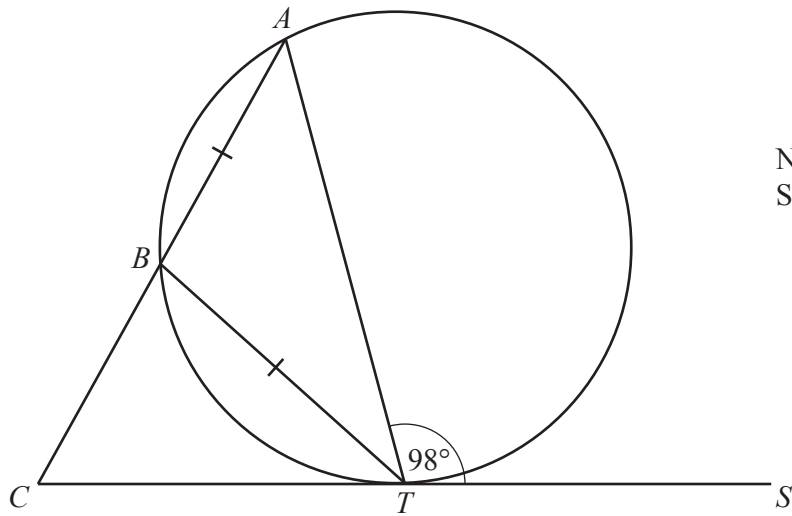
Work out the size of angle *PSQ*, giving a geometrical reason for each step of your working.

....

....

.... [3]

(b)

NOT TO
SCALE

The points *A*, *B* and *T* lie on a circle and *CTS* is a tangent to the circle at *T*.
ABC is a straight line and *AB* = *BT*.
Angle *ATS* = 98°.

Work out the size of angle *ACT*.

Angle *ACT* = ... [4]