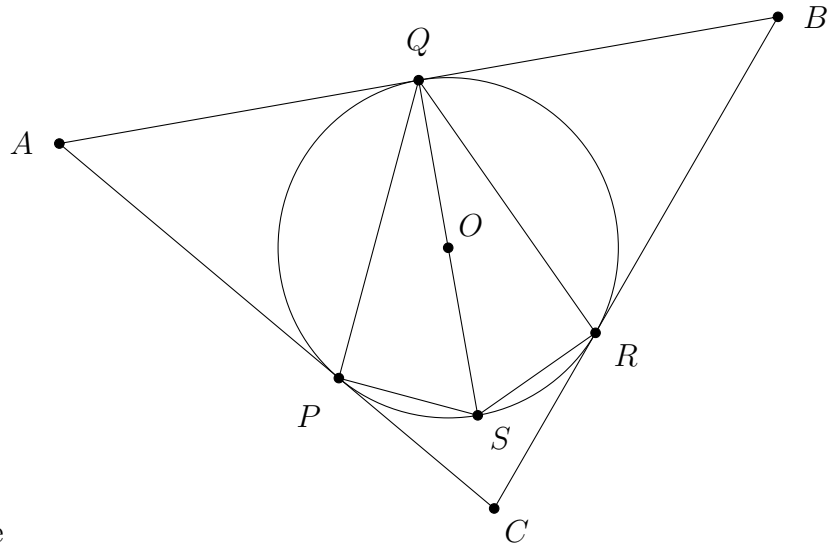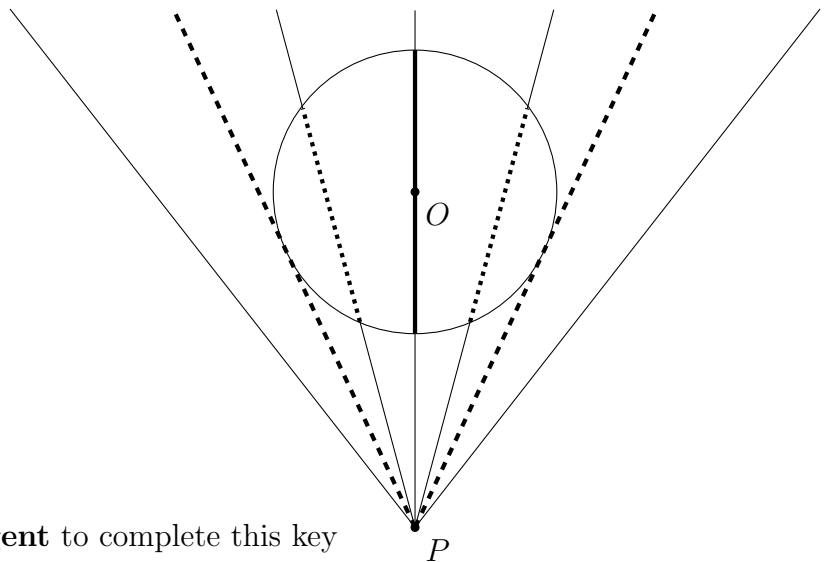1. Here is a diagram of a circle centre O, triangle ABC and kite PQRS

Complete this table

Definition	Name	Example(s)
A straight line that meets the circumference once.	tangent	.... , ... and ....
A line segment (part of a longer line) between two points on the circumference.	chord	.... , ... , ... , ... and QS
A chord that goes through the centre of the circle.	diameter	QS

2. Here is a diagram of a circle centre O and 7 lines from a point P
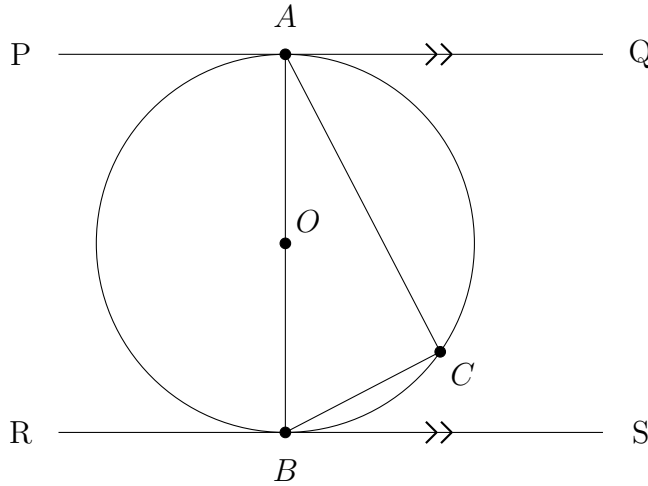

Use **chord**, **diameter** and **tangent** to complete this key

——————— Lines and line segments (parts of longer lines) which have no special name.

- - - - - - A _____ is a line that meets the circumference 1 time.

·········· A _____ is a line segment between 2 points on the circumference.

——————— A _____ is a chord that goes through the centre of a circle.

Turn over for more questions

3. Here is a diagram of a circle centre O, triangle ABC and two parallel lines PQ and RS
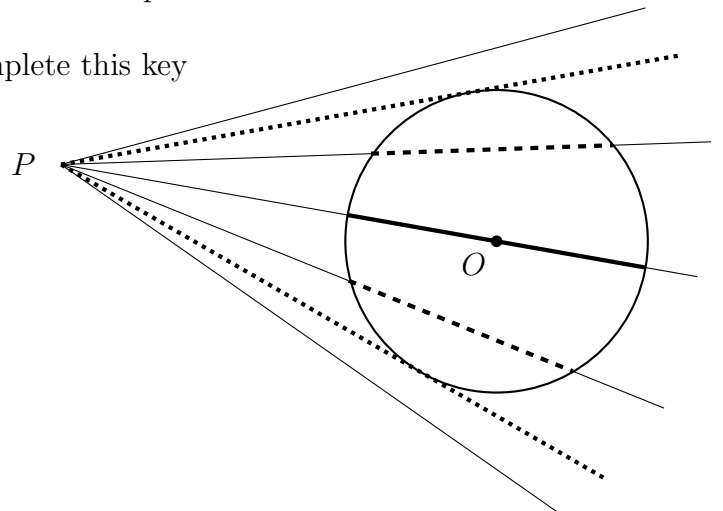

Complete this table

Definition	Name	Example(s)
A straight line that meets the circumference once.	tangent	PQ and ....
A line segment (part of a longer line) between two points on the circumference.	chord	.... , ... and ....
A chord that goes through the centre of the circle.	diameter	....

4. Here is a diagram of a circle centre O and 7 lines from point P

(i) Use **chord**, **diameter** and **tangent** to complete this key

(ii) Use **chord**, **diameter** and **tangent** to complete this table

Name	Description
Chord	A line segment (part of a line) which meets the circumference 2 times
	A line which meets the circumference 1 time
	A .... that goes through the centre of the circle