

## C

a. chord
b. segment (an area of the circle enclosed by a chord)
a. chord
b. arc (a section of the circumference subtended by an angle)

## E

1. $y=2 x$
2. The angle at the centre of a circle is twice the angle at the circumference.


## H

1. $y=x$
2. Angles in the same segment are equal.


A
a. radius
b. diameter
C. circumference

## D

1. $\mathrm{a}=90^{\circ}$
2. The angle in a semicircle is $90^{\circ}$.


G

1. $y=2 x$
2. The angle at the centre of a circle is twice the angle at the circumference.



## L

1. TP and SP are tangents. They are the same length.
2. OP bisects lines TP and SP.

## 0

1. $x=y$
2. This is the alternate segment theorem.

## R

Angles in a triangle sum to $180^{\circ}$.

Vertically opposite angles are equal.

Parallel line rules:

- corresponding angles are equal
- alternate angles are equal
- (co-)interior angles sum to $180^{\circ}$.

2. It makes a right angle with the radius at that point.

## K

1. A tangent is a straight line which touches the circumference of a circle at just one point. poin.


## N

The alternate segment theory states that ...

The angle between a tangent and a chord is equal to the angle made by the same chord in the alternate segment.

## Q

A cyclic quadrilateral is one in which all four vertices touch the circumference of a circle.

The opposite angles sum to $180^{\circ}$

## M

$z=25^{\circ}(\mathrm{AP}$ and BP are tangents. OP bisects angle APB.)
$y=90^{\circ}$ (The tangent to a circle is perpendicular to the radius.)
$x=65^{\circ}$ (Angles in a triangle sum to $180^{\circ}$.)

## P

1. $\mathrm{a}=\mathrm{b}$
2. This is the alternate segment theorem.

## Teaching notes

This pack contains 18 flash cards (nine per double-sided sheet).
Print or photocopy the sheets back to back, so that the questions match up with the answers on the other side.

Students could be given their own cards, in which case colour-coding could be useful, they could then add notes, or make extra cards for the pack.

Cards can be used for independent revision or a 'test' with a friend asking the questions.

