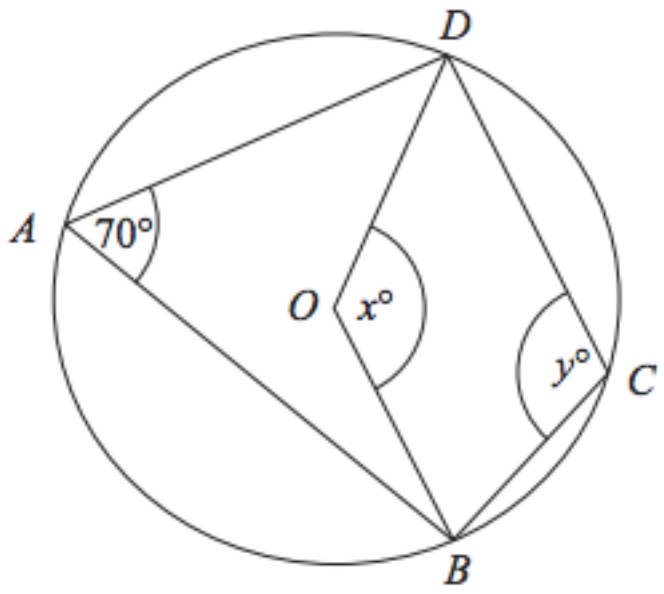
Geometry - Circle Theorems



(a) (i) Work out the value of x.

$x =$ .....

(ii) Give a reason for your answer.

.....

.....

(2)

(b) (i) Work out the value of y.

$y =$ .....

(ii) Give a reason for your answer.

.....

.....

(2)

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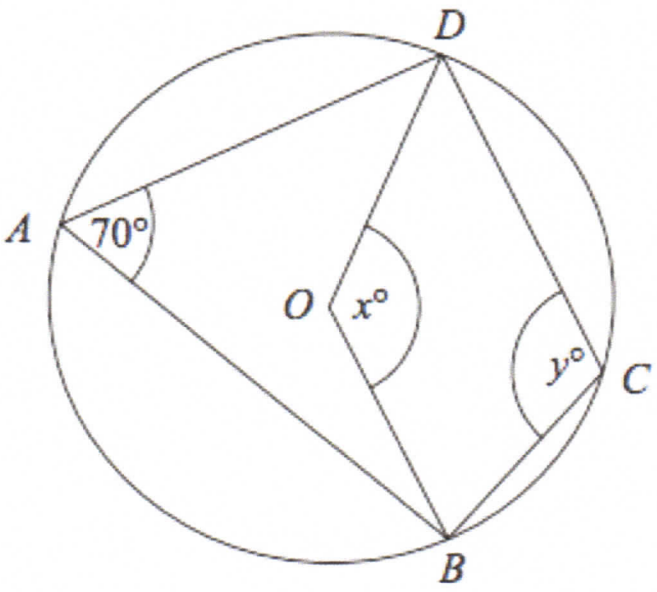

(a) (i) Work out the value of x.

$x =$ 140°

(ii) Give a reason for your answer.

Angle at centre = twice angle at circumference

(2)

(b) (i) Work out the value of y.

180° − 70° = 110°

$y =$ 110°

(ii) Give a reason for your answer.

Opposite angles of a cyclic quadrilateral add up to 180°

(2)