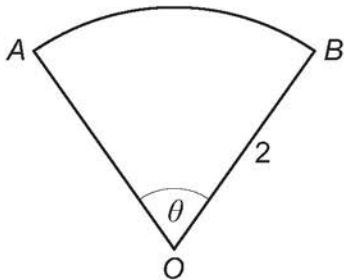**3** The diagram shows a sector *OAB* of a circle with centre *O* and radius 2

The angle *AOB* is θ radians and the perimeter of the sector is 6

Find the value of θ

Circle your answer.

[1 mark]

$$1 \qquad\qquad \sqrt{3} \qquad\qquad 2 \qquad\qquad 3$$