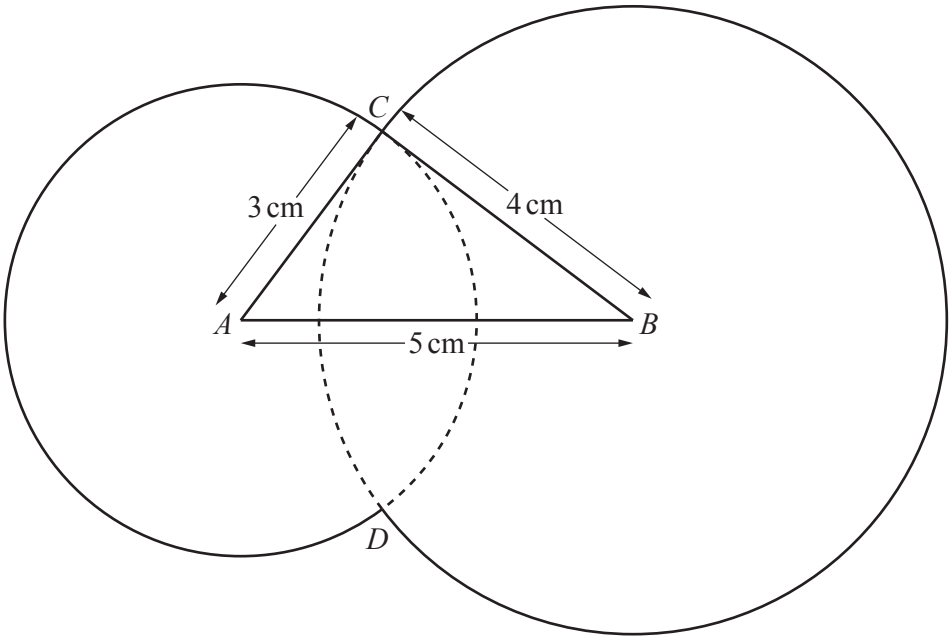
12



The diagram shows a shape consisting of two circles of radius 3 cm and 4 cm with centres A and B which are 5 cm apart. The circles intersect at C and D as shown. The lines AC and BC are tangents to the circles, centres B and A respectively. Find

(a) the angle CAB in radians, [2]

(b) the perimeter of the whole shape, [4]

(c) the area of the whole shape. [4]

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