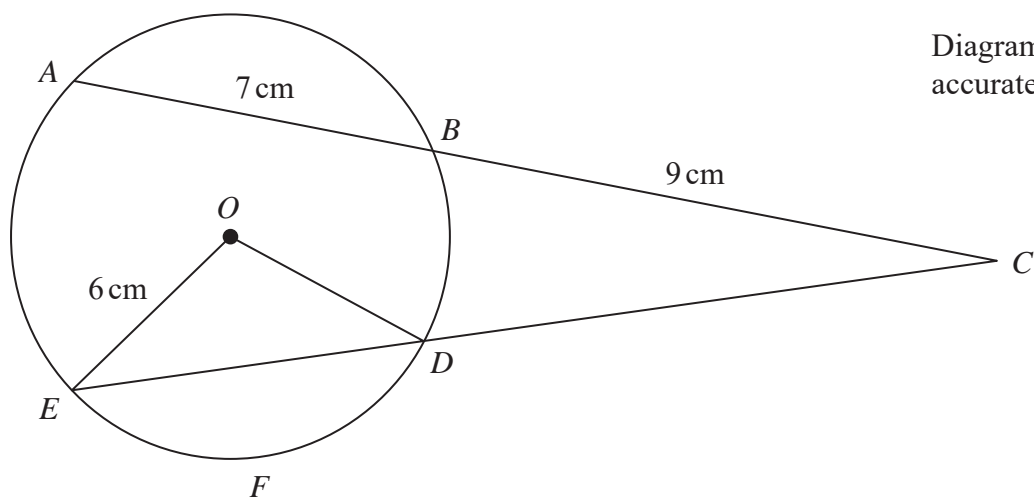


27



In the diagram,  $ABDFE$  is a circle, centre  $O$  and radius 6 cm.  
 $ABC$  and  $EDC$  are straight lines.

The arc  $EFD$  is of length  $\frac{7}{2}\pi$  cm.

Calculate the length, in cm to 3 significant figures, of  $DC$ .

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.....cm

(Total for Question 27 is 6 marks)

**TOTAL FOR PAPER IS 100 MARKS**



P 5 9 0 1 1 A 0 2 3 2 4