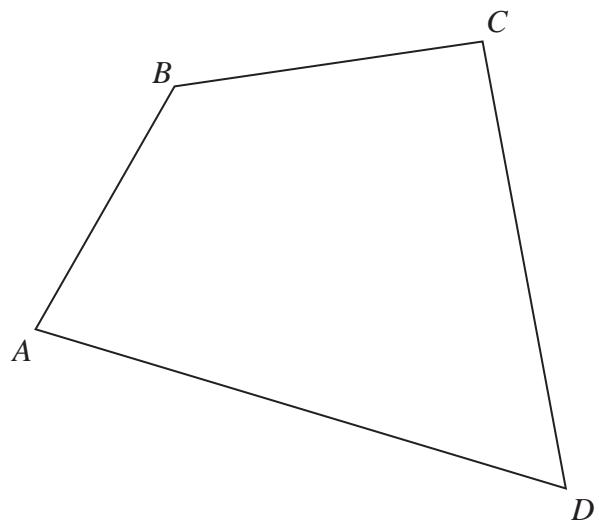


**20**

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



The diagram shows quadrilateral  $ABCD$ .

The region **R** consists of all the points inside the quadrilateral that are

- (i) closer to  $DA$  than to  $DC$ ,
- (ii) less than 3 cm from the side  $DC$ ,
- (iii) more than 4 cm from  $B$ .

Using ruler and compasses only and **showing all your construction lines**, construct and show, by shading, the region **R**.

Label the region **R**.

**(Total for Question 20 is 5 marks)**

