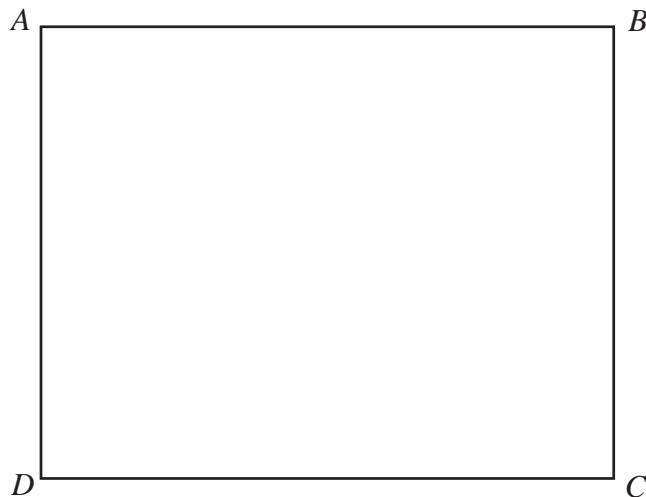


1)



$ABCD$ is a rectangle.

Shade the set of points inside the rectangle which are **both**
 more than 4 centimetres from the point D
and more than 1 centimetre from the line AB .

2) Two radio transmitters, A and B , are situated as below.



Transmitter A broadcasts signals which can be heard up to 3 km from A .

Transmitter B broadcasts signals which can be heard up to 6 km from B .

Shade in the area in which radio signals can be heard from both transmitters.
 Use a scale of 1 cm = 1 km.

- 1) Draw the locus of all points which are equidistant from the lines AB and AC .



- 2) Draw the locus of all points which are equidistant from the points A and B .

$A \times$

$\times B$

- 1) Draw the locus of all points that are exactly 3 cm from the line PQ .



- 2) Draw the locus of all points that are exactly 4 cm from the rectangle $ABCD$

