

Name: _____



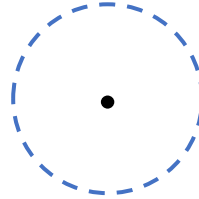
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Draw the locus of points that are:

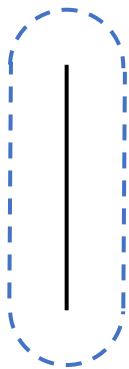
a) 1.5cm from the point.




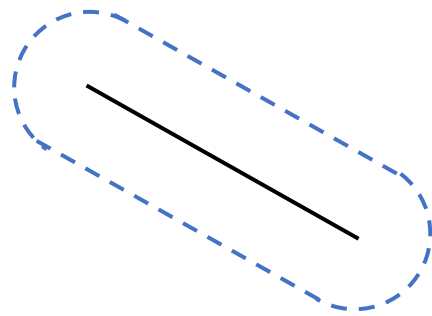
b) 2.5cm from the point.



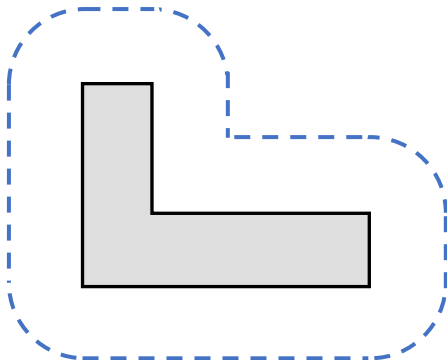
c) 1.5cm from the line.



d) 2cm from the line.

 **Exam question:**

Draw the locus of all points 2cm from the shape below.



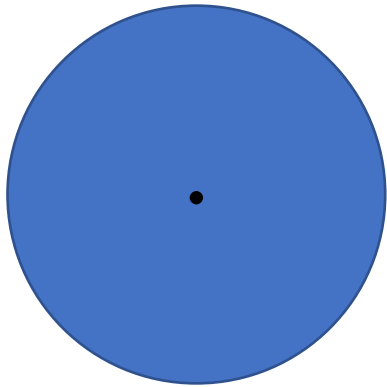


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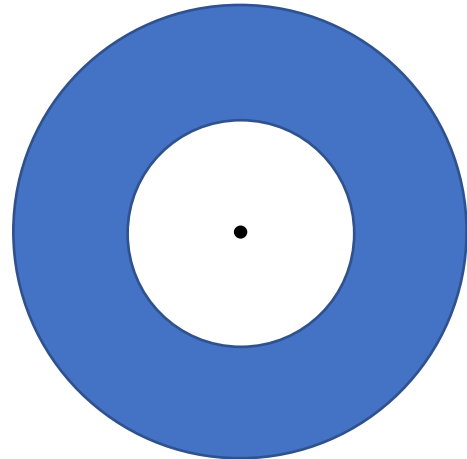


Shade the region which is:

a) Less than 2.5 cm from the point.



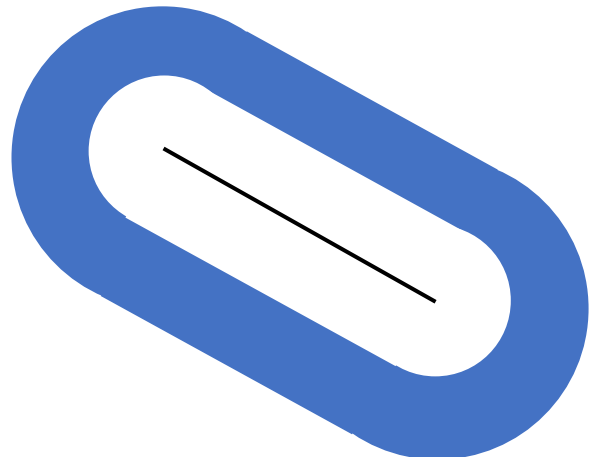
b) Between 1.5cm and 3 cm from the point.



c) Less than 2cm from the line.



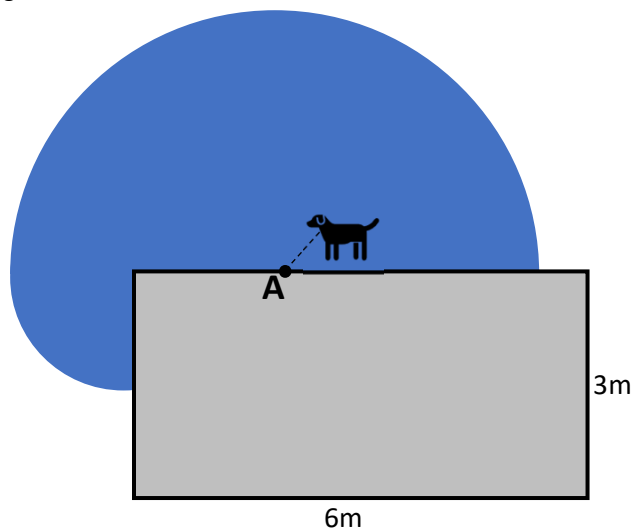
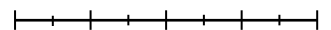
d) Between 1cm and 2cm from the line.



Exam question:

A dog is tied to a building by a 3.5m rope at A.
Shade the region the dog can get to.

Scale: 1cm = 1m



Loci – equidistant between 2 points

116c



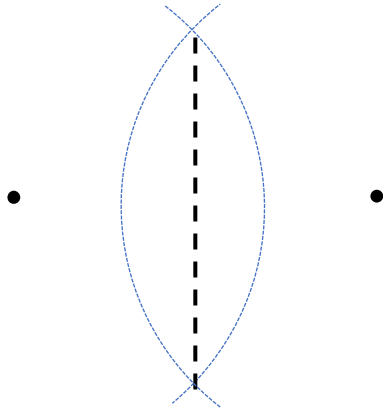
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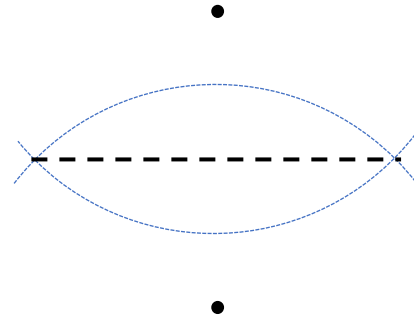


Draw the locus of points which are equidistant from the two points.

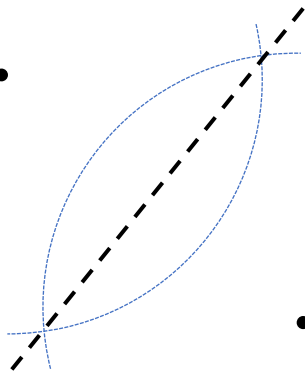
a)



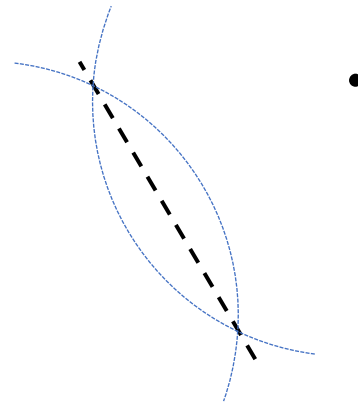
b)



c)

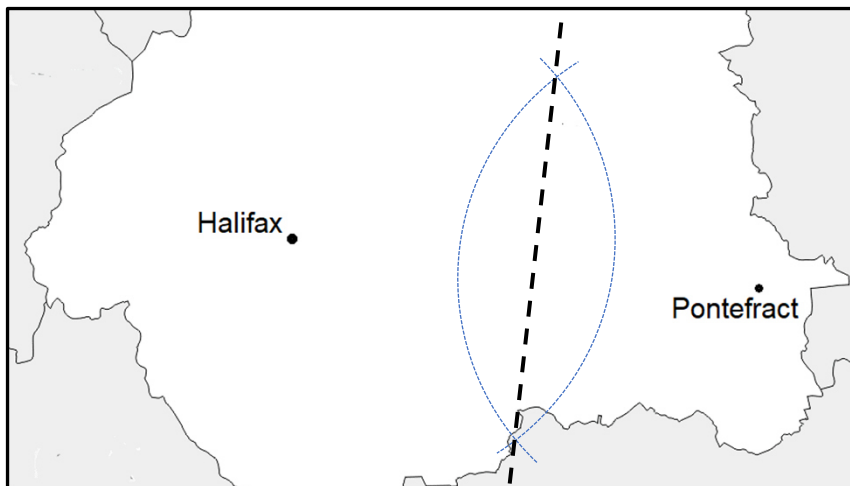


d)



Exam question:

David's house is the same distance to Halifax as it is to Pontefract (in a straight line).
Using the map below, show the locus of points where David's House could be located.

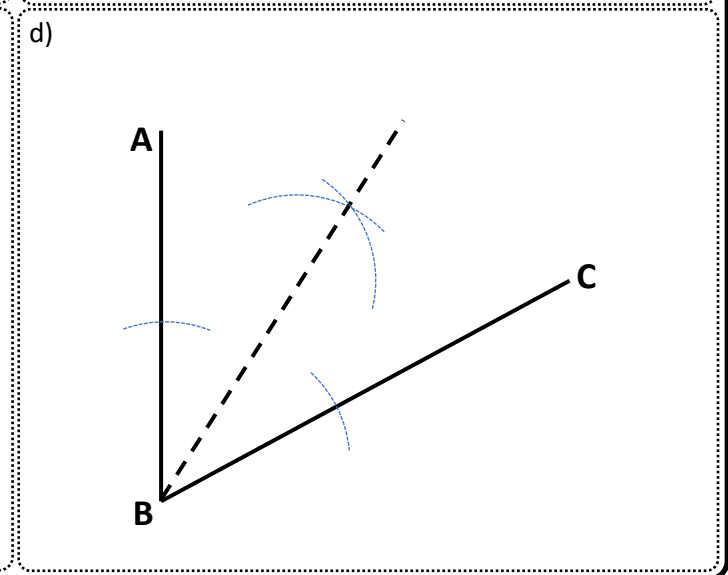
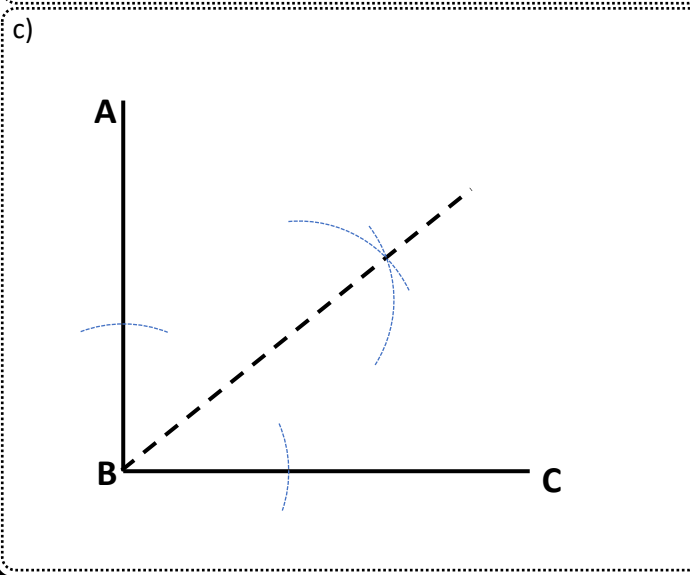
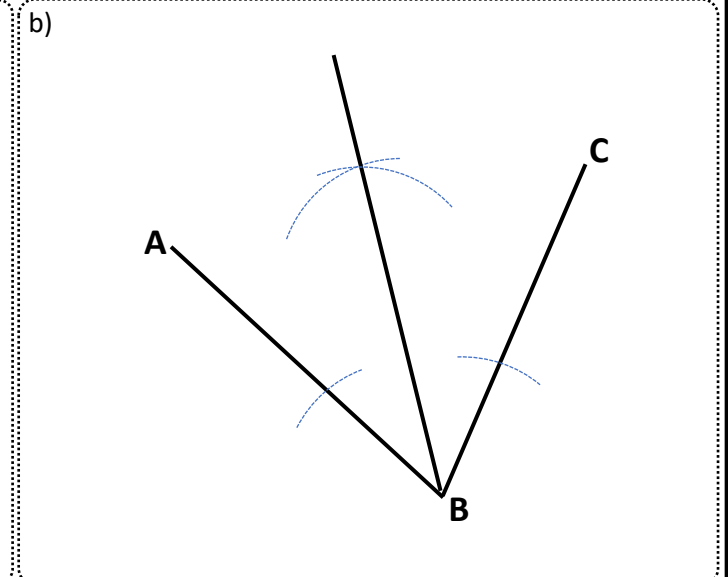
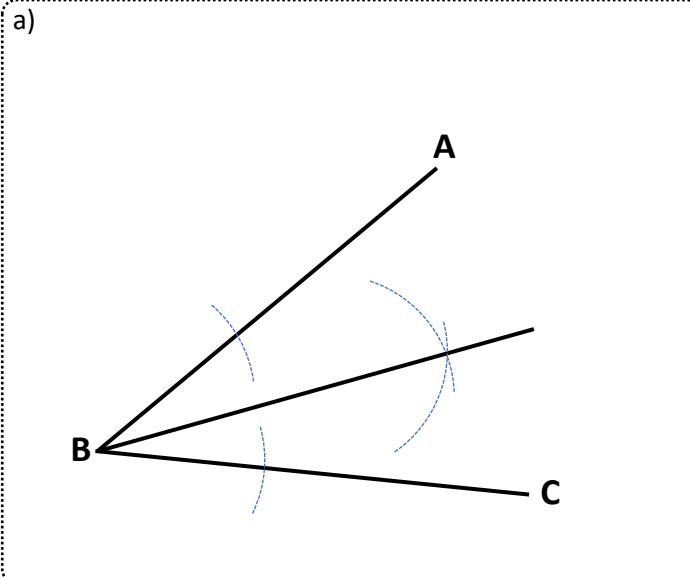




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Draw the locus of points which are equidistant from the two lines.



Exam question:

Emma's house is located closer to the road than the railroad track.
Using the map below, shade the area where Emma's House is to be located.

