



What does mean?

Loci of form



Example,

Sketch the locus of points represented by . Write its equation.



Minimising/Maximising and

A complex number is represented by the point . Given that

1. Sketch the locus of
2. Find the Cartesian equation of the locus.
3. Find the maximum value of in the interval
4. Find the minimum and maximum values of

We did this earlier…

1. b)

 c)

 d)



(From earlier) Find the Cartesian equation of the locus of if , and sketch the locus of on an Argand diagram.

Minimising with perpendicular bisectors

**Hence, find the least possible value of .**

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