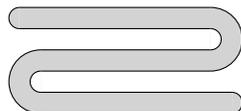


Comprehension questions

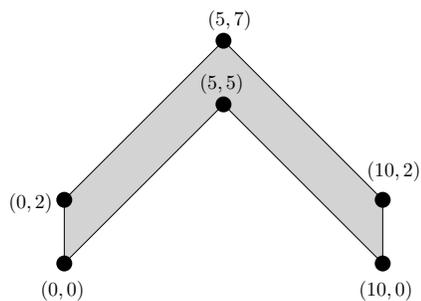
PROBLEM 11.1. Sketch (roughly) the symmetrization of the following figure (a) with respect to the x -axis, (b) with respect to the y -axis.



PROBLEM 11.2. Find an isosceles triangle which is not equilateral, but which becomes equilateral after one symmetrization.

PROBLEM 11.3. Find an example where a quadrilateral (a 4-gon) turns into a pentagon (a 5-gon) after symmetrization.

PROBLEM 11.4. Show that this region



has principal frequency > 1.6 .

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18.900 Geometry and Topology in the Plane
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