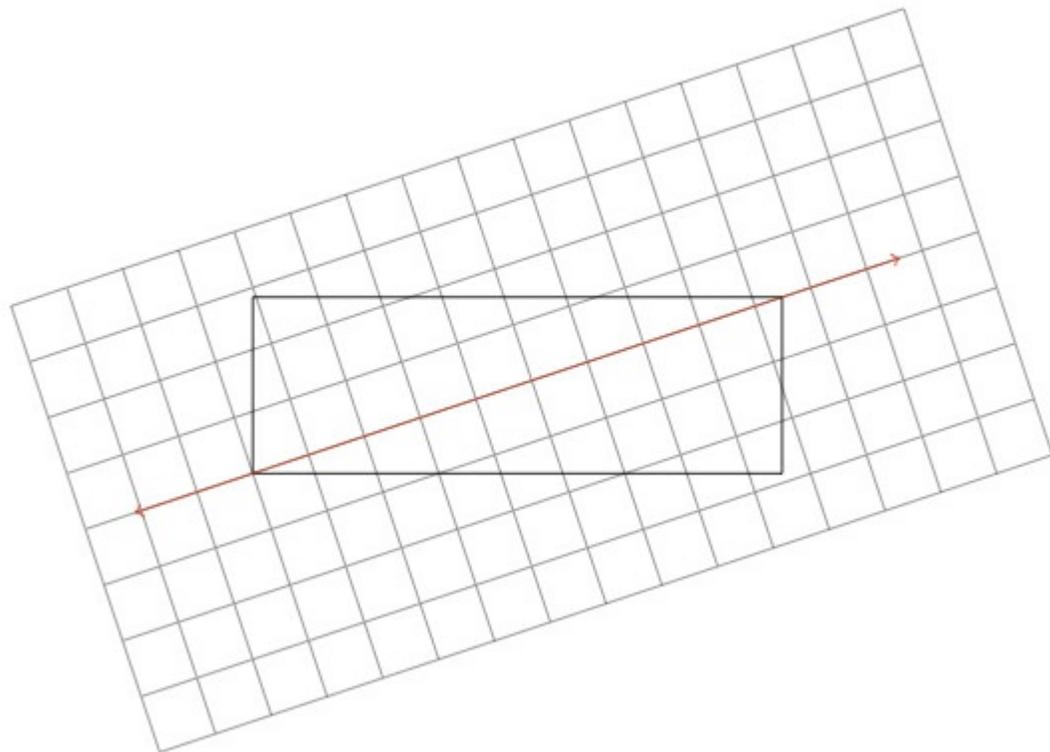


## 8.G Reflecting a rectangle over a diagonal

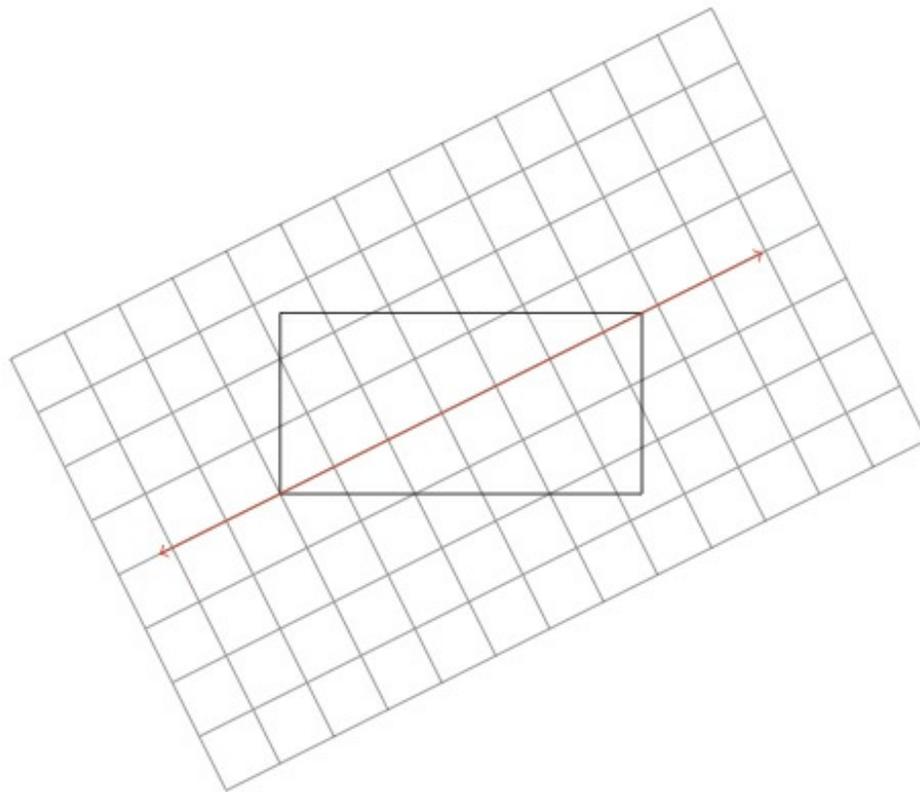
### Task

a. Each picture below shows a rectangle with a line through a diagonal. For each picture, use the grid in the background to help draw the reflection of the rectangle over the line.

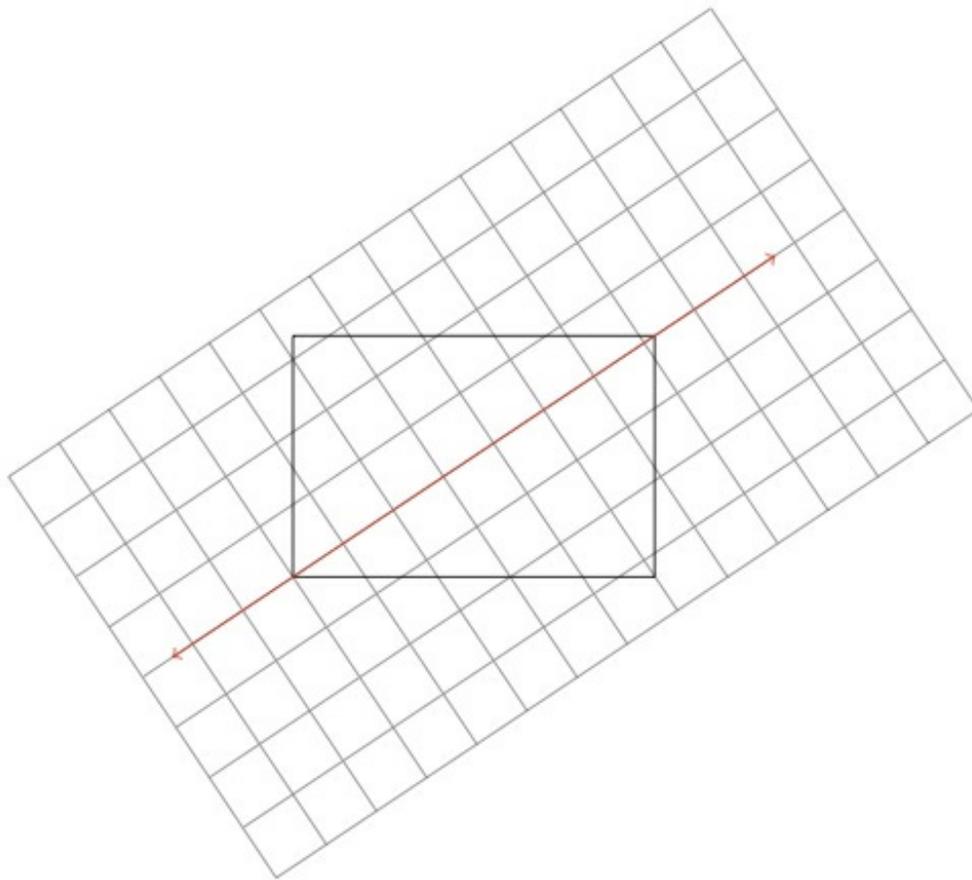
i.



ii.



iii.



b. Suppose you have a rectangle where the line through the diagonal is a line of symmetry. Using what you know about reflections, explain why the rectangle must be a square.



8.G Reflecting a rectangle over a diagonal  
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