KOGW-PM-KNP:
Tutorial 1 - Runeson's smart mechanisms

1. Using planimeter, measure the shape provided. Describe how you did it [1]. What are the qualities of such a measurement [1], compared to say: counting squares*.

2. Now try to measure the length of a line with the planimeter. Compare this with using a ruler. Can you think of a way in which you could measure the length of a line using the planimeter, given that it only measures area [1]?

3. Consider what methods you employed to solve Task 2. How does this differ from Task 1 [1]? How does this compare to perception vs cognition [1]?

4. Discuss with your group possible way to differentiate between pseudo-perceptual judgements and true perceptual reports? Use the table below to help, adding any more you can think of [3]. What are the problems with using such distinctions[2]?

Measurement Quality	Perception	Cognition
Precision		
Stability		
Time taken		

Go to the following website if you want to see a planimeter in action
`https://www.youtube.com/watch?v=7RO7IWiXV1g` * Counting the number of squares, of known area, within the perimeter of the shape.