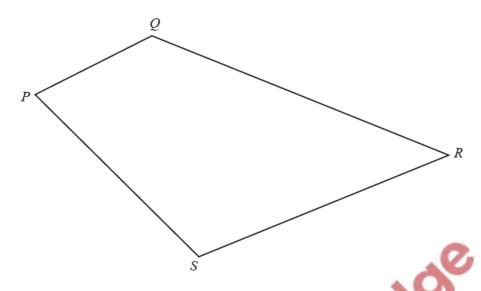
<u>Loci – 2022 O Level Math D</u>

1. June/2022/Paper_12/No.11



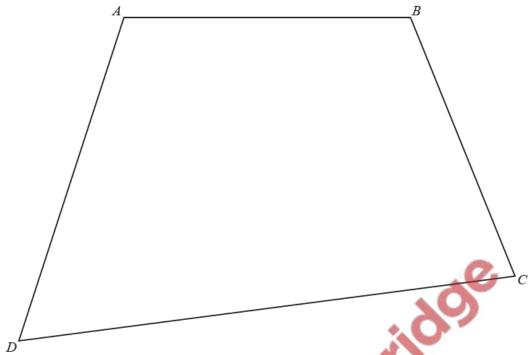
(a) Use a straight edge and compasses only to construct the bisector of angle PSR. [2]

[1]

(b) Point X lies inside quadrilateral PQRS and is closer to PS than to RS. Shade the region in which X must lie.

Palpa Calif

2. June/2022/Paper_21/No.6



Scale: 1 cm to 50 m

The diagram shows a field, ABCD, drawn to a scale of 1 cm to 50 m.

(a) The field has a straight path from D to the midpoint of AB.Draw the path and measure the angle the path makes with DC.

.....[2]

(b) Grass is to be planted on an area of the field.

The area to be planted is to be

- less than 325 m from B
- nearer to *CB* than *CD* and
- can only be on one side of the path.

By drawing appropriate loci, find and shade the largest possible area for the grass to be planted. [4]

(c) Find the actual length of the part of the path that forms a boundary for the grass.

.....m [1]