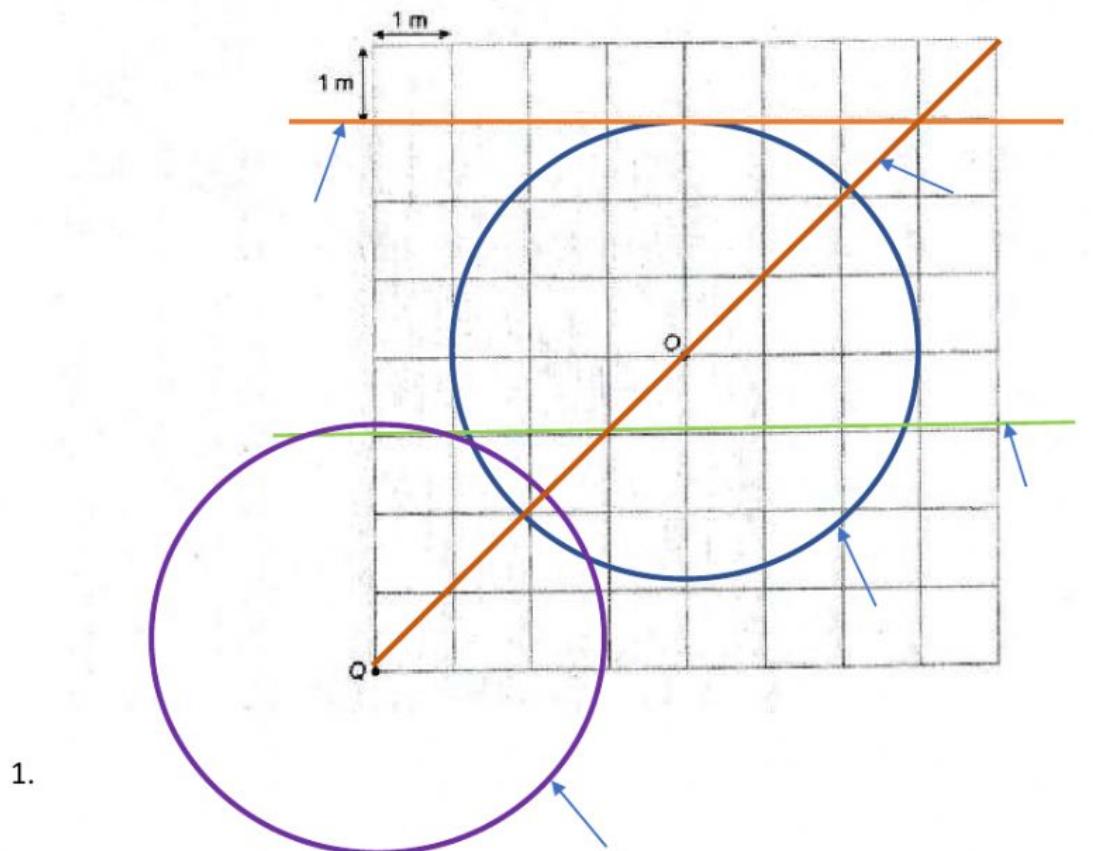


Exercise

Q1. A goat is tied to a tree, O with a rope with length 3m. A farmer tied a fierce dog in front of his house at Q, also with the rope length 3m. Type locus P for movement of goat and Q for the locus for movement of dog. And type not locus for unnecessary line. Drag the symbol \otimes below to where the dog and goat will meet.

Drag this symbol to the diagram : \otimes \otimes

Jawapan/Answer:



2.

Rajah di ruang jawapan menunjukkan sebuah segi empat sama $PQRS$. K, L, M dan N masing-masing ialah titik-titik tengah PQ, QR, RS and SP . W, X dan Y ialah tiga titik yang bergerak dalam rajah itu.

The diagram in the answer space shows a square $PQRS$. K, L, M and N are the midpoints of PQ, QR, RS and SP respectively. W, X and Y are three moving points in the diagram.

- (i) W bergerak dengan keadaan jaraknya dari garis lurus PQ dan PS adalah sama. Dengan menggunakan huruf pada rajah itu, nyatakan lokus W itu.

W moves such that it is equidistant from the straight lines PQ and PS . By using the letters in the diagram, state the locus of W .

- ii) In the diagram, label

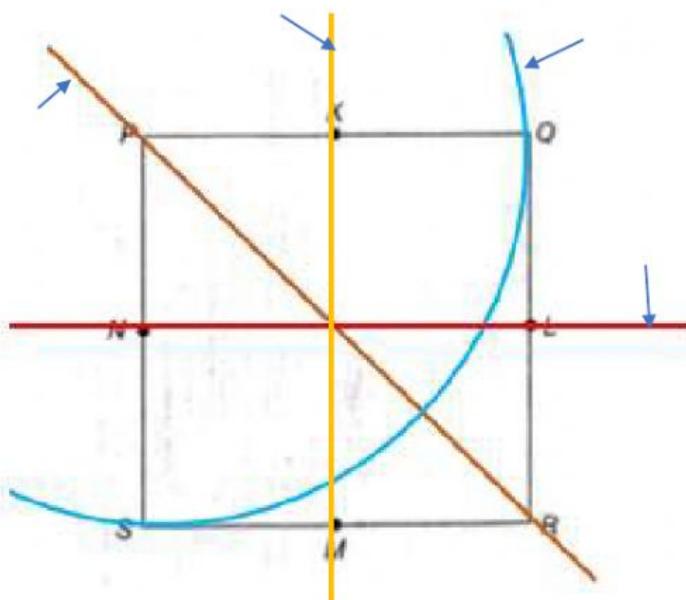
- locus X such that $XP = PQ$
- locus of Y such that its distance from point N and point L are the same
label NOT LOCUS for unnecessary line

- iii) drag the symbol \otimes the intersection of locus X and Y

answer :

(i)

(ii),(iii) drag this symbol to diagram - \otimes



3.

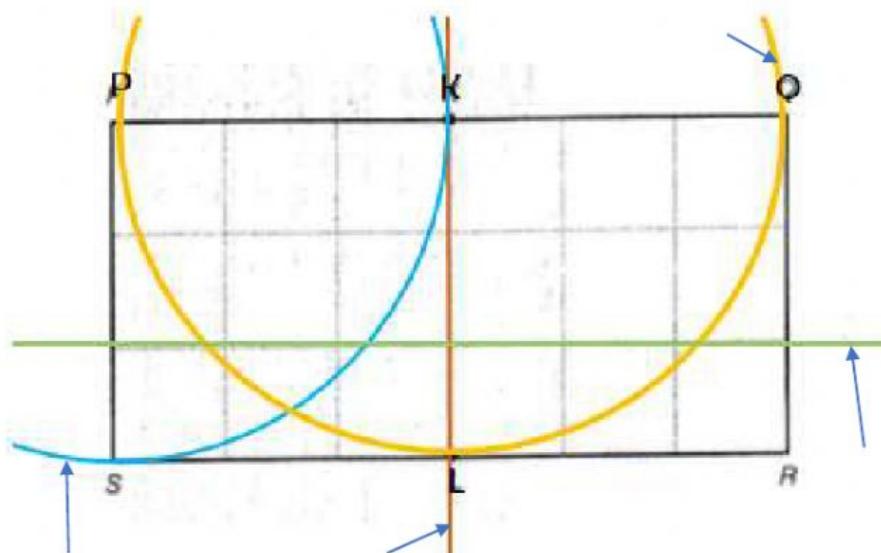
Rajah di ruang jawapan menunjukkan sebuah segi empat tepat $PQRS$ yang dilukis pada grid segi empat sama bersisi 1 unit. X dan Y ialah dua titik yang bergerak di dalam rajah itu.

The diagram in the answer space shows a rectangle $PQRS$ drawn on a grid of equal squares of sides 1 unit. X and Y are two points moving in the diagram.

- i) In the diagram, label
 - a) The locus of X such that $XK = PK$,
 - b) Locus of Y such that its distance from the line SR is 1 unit
label NOT LOCUS for unnecessary line
- ii) drag the symbol \otimes the intersection of locus X and Y

Jawapan / answer :

drag this symbol to diagram - \otimes \otimes



4.

Rajah dalam ruang jawapan menunjukkan sebuah segi empat tepat $KLMN$ yang dilukis pada grid sisi empat sama bersisi 1 unit. P dan Q ialah dua titik yang bergerak di dalam segi empat tepat $KLMN$.

The diagram in the answer space shows a rectangle $KLMN$ drawn on a grid of equal squares with sides of 1 unit. P and Q are two moving points in the rectangle $KLMN$.

On the diagram, label

- Locus of point P such that $PH = 4$ unit
- Locus of point Q such that it is always equidistant from the straight lines KL and MN
- Hence, drag the symbol \otimes the intersection of the locus P and locus of Q

Answer :

label NOT LOCUS for unnecessary line

Drag this symbol \otimes

