

Maths

Locus Equidistant From Two Points

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Locus equidistant from two points

1. Identify three points that are the same distance from A as they are from B.

x
A

x
B

2. Draw the locus of all points equidistant from A and B.

A
x

x
B



Locus equidistant from two points

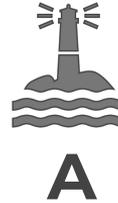
3. Shade the region that contains the points that are closer to A than B.

x
A

B
x

4. A boat is the same equidistant from the two lighthouses.

Show where the boat could be.



Answers



Locus equidistant from two points

1. Identify three points that are the same distance from A as they are from B.

B.

x
A



Any three points on the line shown.

x
B

2. Draw the locus of all points equidistant from A and B.

A
x

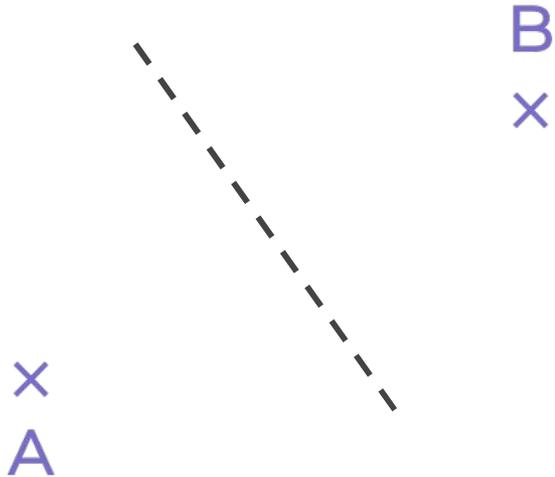


x
B



Locus equidistant from two points

3. Shade the region that contains the points that are closer to A than B.



4. A boat is the same equidistant from the two lighthouses.

Show where the boat could be.

