

Maths

# Locus Equidistant From Two Points

Mr Bond



# 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

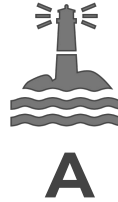
3. Shade the region that contains the points that are closer to A than B.

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.

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

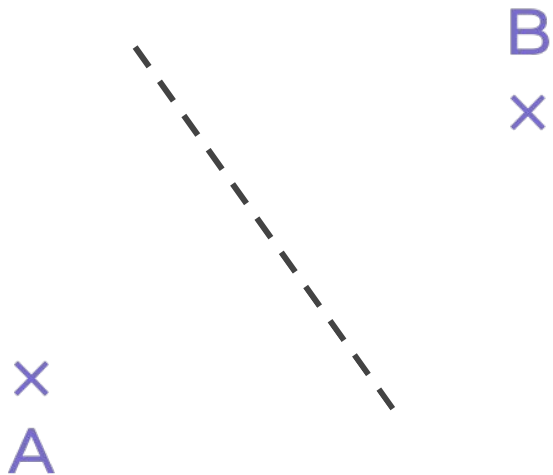


x  
B



## 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.

