



## New Maths GCSE: G2 - Constructions

Name: .....

Date: .....

This diagram shows what type of construction?

Step 3.

a) Angle Bisector
b) Loci

c) Perpendicular Bisector
d) Compass

Correct Answer: A B C D

Explanation:

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Correct Answer: A B C D

Explanation:

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What is special about all the points on line BD?

Step 3.

a) They are the same distance from points B and C

b) They are the same distance from lines BC and BA

c) The points are parallel to line BA

d) They are the same distance from points A and C

Correct Answer: A B C D

Explanation:

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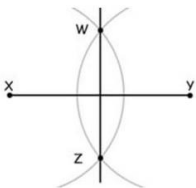
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What is special about all the points on line WZ?



a) They are the same distance from points X and Y  
b) They are the same distance from the line XY  
c) The points are parallel to line XY  
d) They have a gradient of 1

Correct Answer: A B C D

Explanation:

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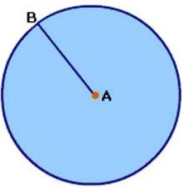
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What is special about all the points on the circumference of the circle?



a) They are in a line  
b) They are the same distance from A  
c) They are perpendicular to the line AB  
d) They are parallel to the line AB

Correct Answer: A B C D

Explanation:

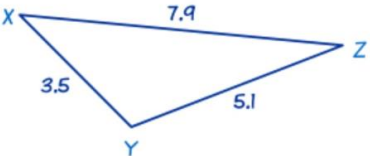
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Which tools do you need to construct an SSS triangles?

A. Pencil, ruler and pair of compasses  
B. Pencil and a ruler  
C. Pencil, ruler and a protractor  
D. Pencil, ruler and set square

Correct Answer: A B C D

Explanation:

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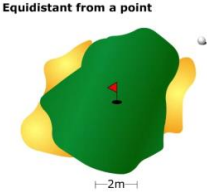
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Equidistant from a point



What shape describes the locus of points equidistant from a point?

A. Oval.  
B. Square  
C. Circle.  
D. Rectangle

Correct Answer: A B C D

Explanation:

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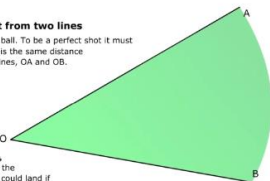
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**Equidistant from two lines**  
 A golfer hits a ball. To be a perfect shot it must land so that it is the same distance from the two lines, OA and OB.



Drag the ball to any of the places that it could land if it has to be equidistant from OA and OB.

What shape describes the locus of points equidistant from 2 lines?

A. 2 circles.                      B. Perpendicular bisector  
 C. Rectangle.                    D. Angle bisector

Correct Answer: A B C D

Explanation:

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You want to find all the points that are the same distance from a single straight line.

What construction do you need?

**A** Perpendicular Bisector  
**B** Angle Bisector  
**C** Circle  
**D** Parallel Line

Correct Answer: A B C D

Explanation:

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You want to find all the points that are the same distance from a single point.

What construction do you need?

**A** Perpendicular Bisector  
**B** Angle Bisector  
**C** Circle  
**D** Parallel Line

Correct Answer: A B C D

Explanation:

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You want to find all the points that are the same distance from two towns.

What construction do you need?

**A** Perpendicular Bisector  
**B** Angle Bisector  
**C** Circle  
**D** Parallel Line

Correct Answer: A B C D

Explanation:

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You want to find all the points that are the same distance from two straight roads that meet at a point.

What construction do you need?

- ☒ A Perpendicular Bisector
- ☐ B Angle Bisector
- ☐ C Circle
- ☐ D Parallel Line

Correct Answer: A B C D

Explanation:

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