

Name _____

Date _____

Making Bisectors of Angles and Lines - Step-by-Step Lesson

a. Bisect line segment YZ.

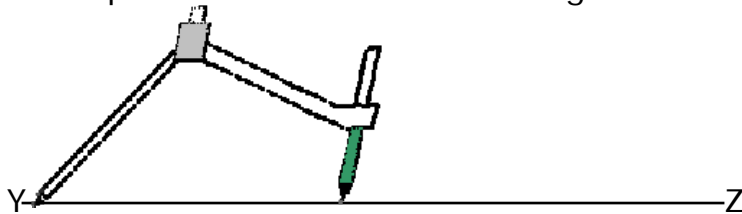
Y _____ Z

Explanation:

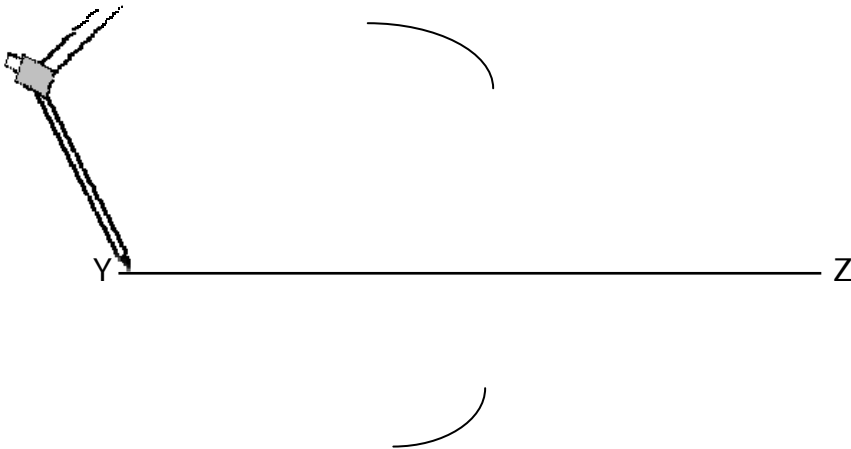
Using a straightedge, draw a line between the points where the arcs intersect.



Place the compass $\frac{1}{2}$ to $\frac{2}{3}$ of the line length.



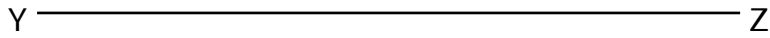
Draw an arch below and above the line.



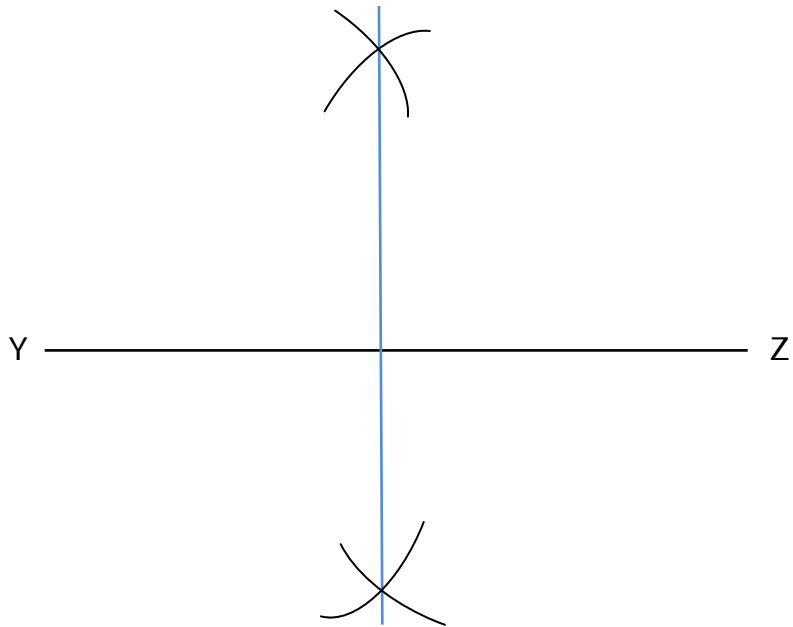
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Don't change the compass width and place the compass on the other point.
Draw an opposite arc.

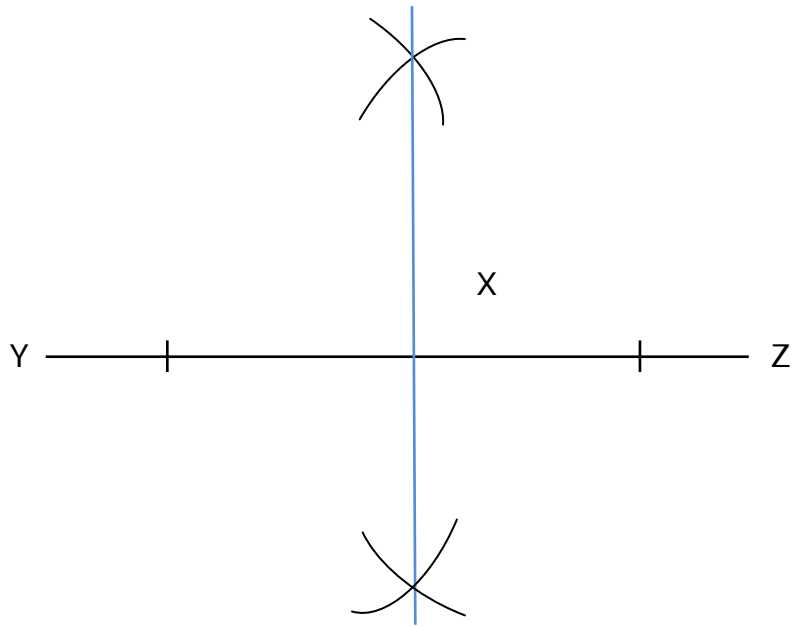


This will create Xs. Draw a line between the two points created by the Xs.



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You have created a perpendicular line.

