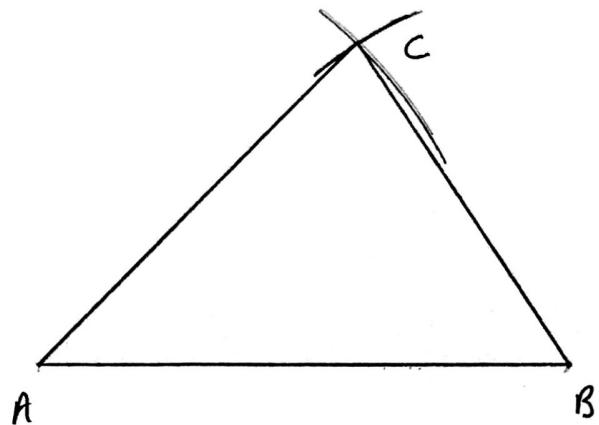


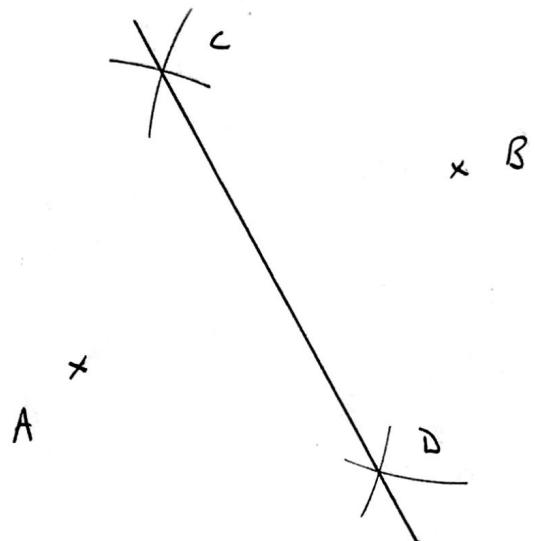
Construct a triangle with sides 5cm, 6cm, 7cm



Notes

1. Draw a line AB 7cm long
 2. With radius 6cm put point on A and draw arc above AB
 3. With radius 5cm put point on B and draw arc above AB to meet previous arc at C
 4. Draw lines AC and BC to complete triangle
-

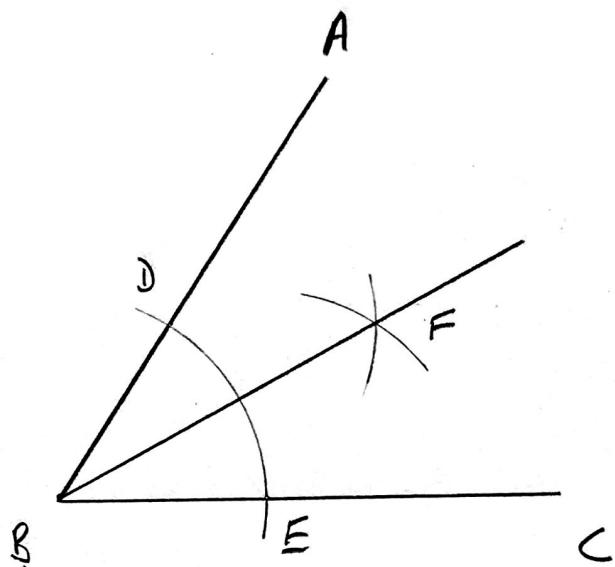
Construct the Perpendicular Bisector Between
Two Given Points A and B



Notes

1. Given points A and B
 2. With radius more than half of length AB, put point on A and draw arcs either side of AB.
 3. Keeping same radius, put point on B and draw arcs to meet previous arcs at C and D
 4. Draw a line through C and D which will be the perpendicular bisector of AB
-

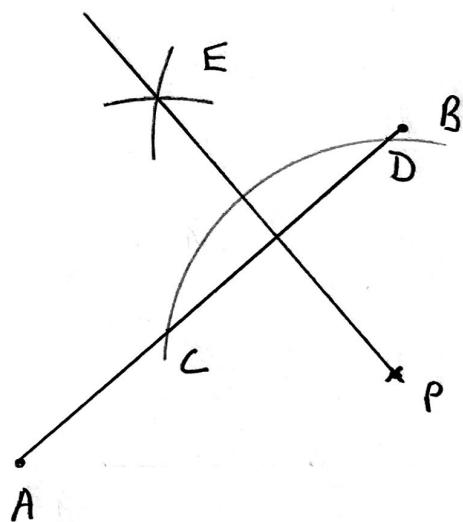
Bisect a Given Angle $\angle ABC$



Notes

1. Given $\angle ABC$
 2. With small radius (say 3cm) put point on B and draw arc to meet AB and BC at D and E respectively.
 3. Keeping same radius, put point on D and then E to draw arcs that intersect in middle of angle at F.
 4. Draw a line from B through F to bisect $\angle ABC$.
-

Construct a Perpendicular From a Given Point P
to a Given Line AB



Notes

1. Given a line AB and a point P.
 2. With radius big enough to reach past the line, put point on P and draw an arc that cuts AB at two points C and D.
 3. Keeping same radius, put point on C and then D to draw arcs which meet at E on the opposite side of AB to the point P.
 4. Draw a line from P through E which will be perpendicular to AB
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