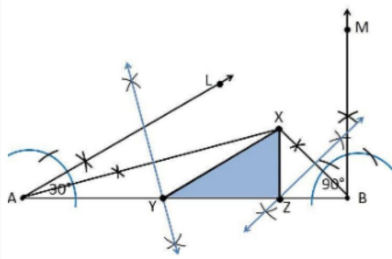


4. Construct a triangle XYZ in which $\angle Y = 30^\circ$, $\angle Z = 90^\circ$ and $XY+YZ+ZX = 11$ cm.

Construction Procedure:

The steps to draw the triangle of given measurement is as follows:

1. Draw a line segment AB which is equal to $XY+YZ+ZX = 11$ cm.
2. Make an angle $\angle Y = 30^\circ$ from the point A and the angle be $\angle LAB$
3. Make an angle $\angle Z = 90^\circ$ from the point B and the angle be $\angle MAB$
4. Bisect $\angle LAB$ and $\angle MAB$ at the point X.
5. Now take the perpendicular bisector of the line XA and XB and the intersection point be Y and Z respectively.
6. Join XY and XZ
7. Therefore, XYZ is the required triangle



5. Construct a right triangle whose base is 12cm and sum of its hypotenuse and other side is 18 cm.

Construction Procedure:

The steps to draw the triangle of given measurement is as follows:

1. Draw a line segment of base $BC = 12$ cm
2. Measure and draw $\angle B = 90^\circ$ and draw the ray BX
3. Take a compass and measure $AB+AC = 18$ cm.
4. With B as centre and draw an arc at the point be D on the ray BX
5. Join DC
6. Now draw the perpendicular bisector of the line CD and the intersection point is taken as A.

7. Now join AC

8. Therefore, ABC is the required triangle.

