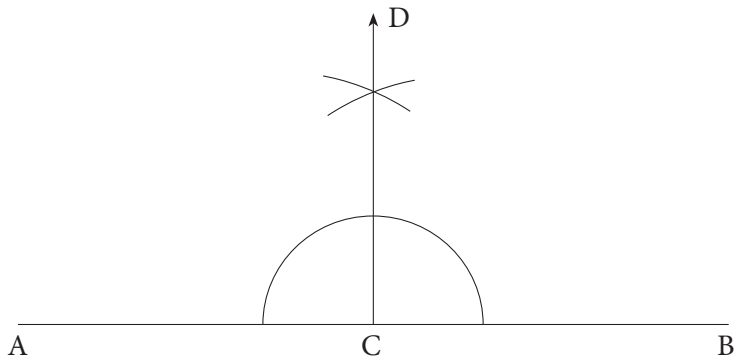


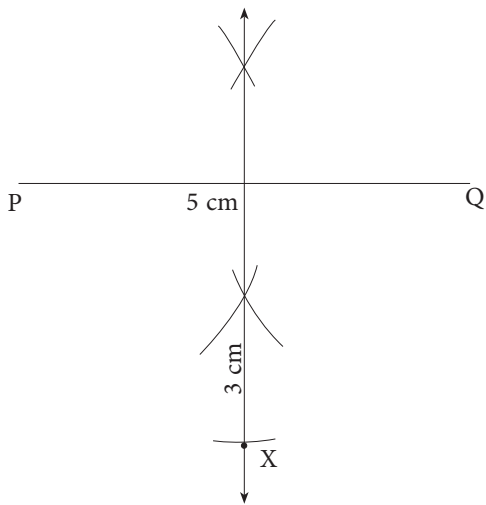
- Q1. Draw a line segment $AB = 7$ cm. Take any point C on it. Draw a perpendicular from point C on the line segment AB .
- Q2. Draw a line segment $PQ = 5$ cm. Construct a perpendicular on the line segment PQ . Mark a point X on the perpendicular 3 cm below PQ .
- Q3. A line segment XY is 6 cm long. Draw a perpendicular bisector AB of line segment XY , intersecting XY in O . Draw a perpendicular bisector of OY intersecting OY in C . Measure and write the length of OC .
- Q4. Draw a line segment $AB = 6$ cm. Draw a line XY parallel to AB at a distance of 2 cm.
- Q5. Draw a copy of an angle measuring 95° using ruler and compass.
- Q6. Two adjacent angles $\angle XBC$ and $\angle XBA$ form $\angle ABC$ such that $\angle ABC = 2\angle XBC = 2\angle XBA$. Draw the $\angle ABC$, $\angle XBC$ and $\angle XBA$ satisfying the given requirements. (Hint: XB is the angle bisector of $\angle ABC$).
- Q7. Construct an angle measuring $22\frac{1}{2}^\circ$.
- Q8. Construct a $\triangle XYZ$ such that $XY = 6$ cm, $\angle ZXY = 60^\circ$ and $\angle ZYX = 30^\circ$. Find the measure of $\angle XZY$.
- Q9. Construct a tangent AB to a circle with centre O and radius 3 cm.
- Q10. Construct the circumcircle of an equilateral $\triangle ABC$ where $AB = 3.5$ cm.

ANSWERS

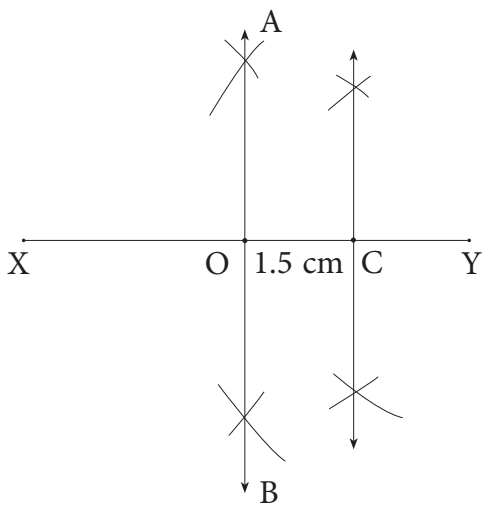
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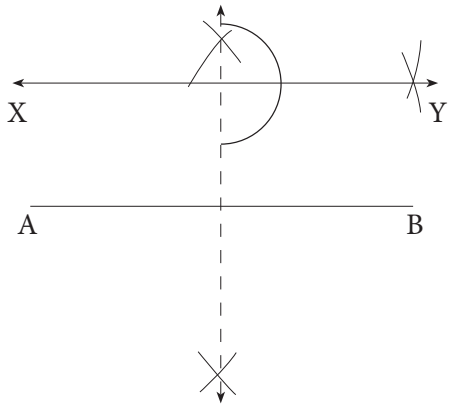


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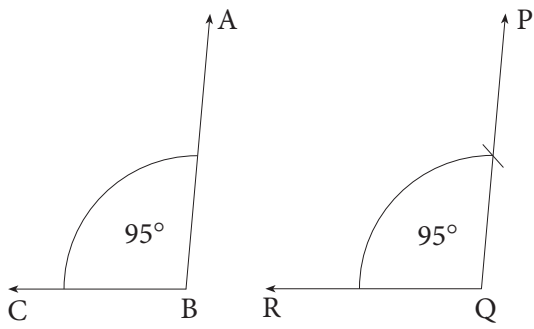


$$OC = 1.5\text{ cm}$$

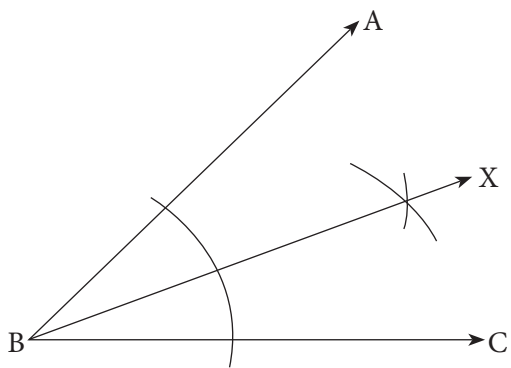
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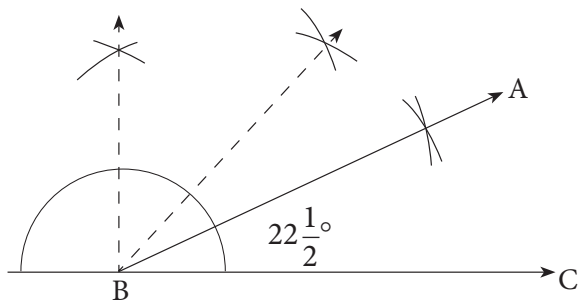
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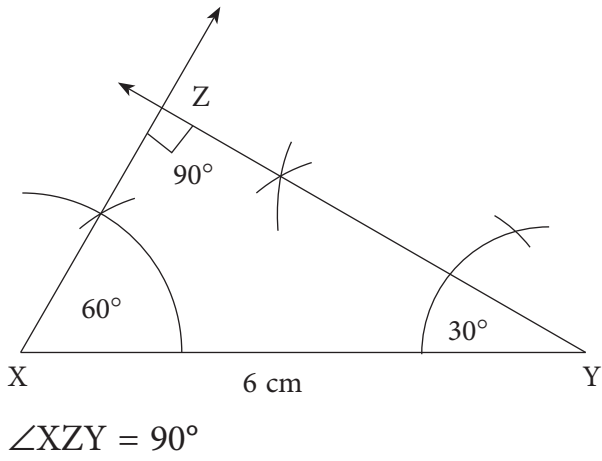
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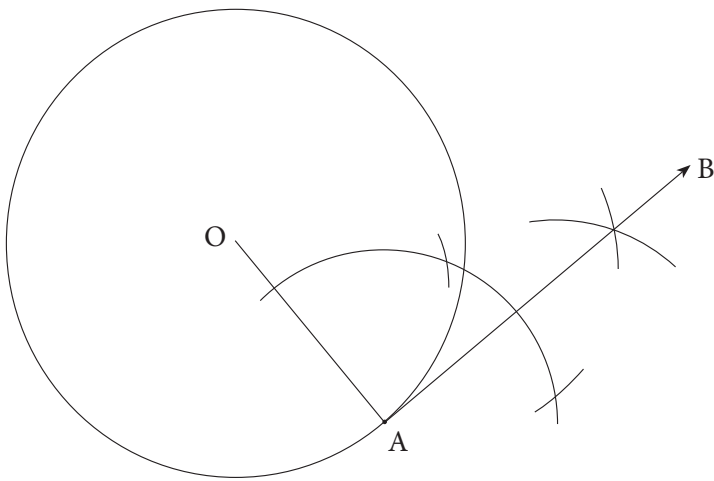
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9.



10.

