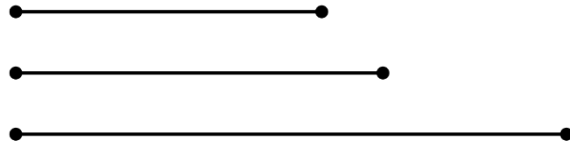
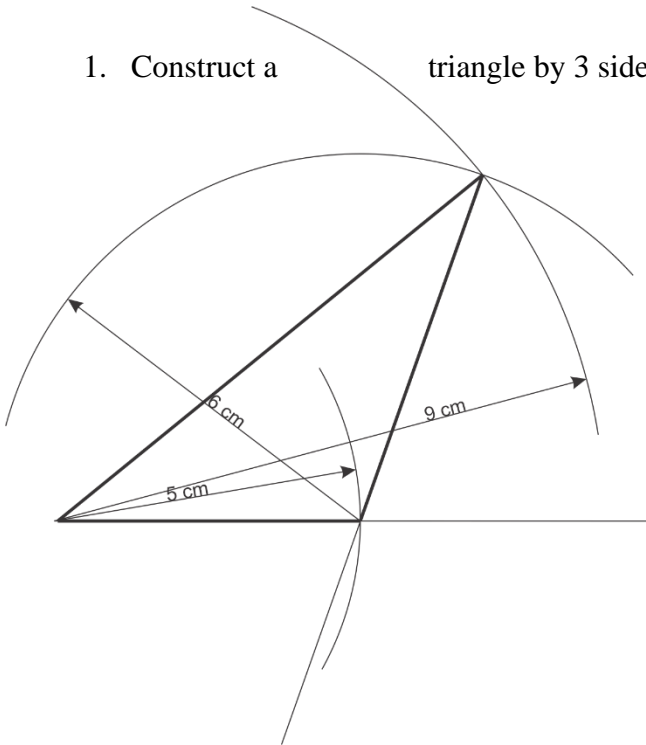


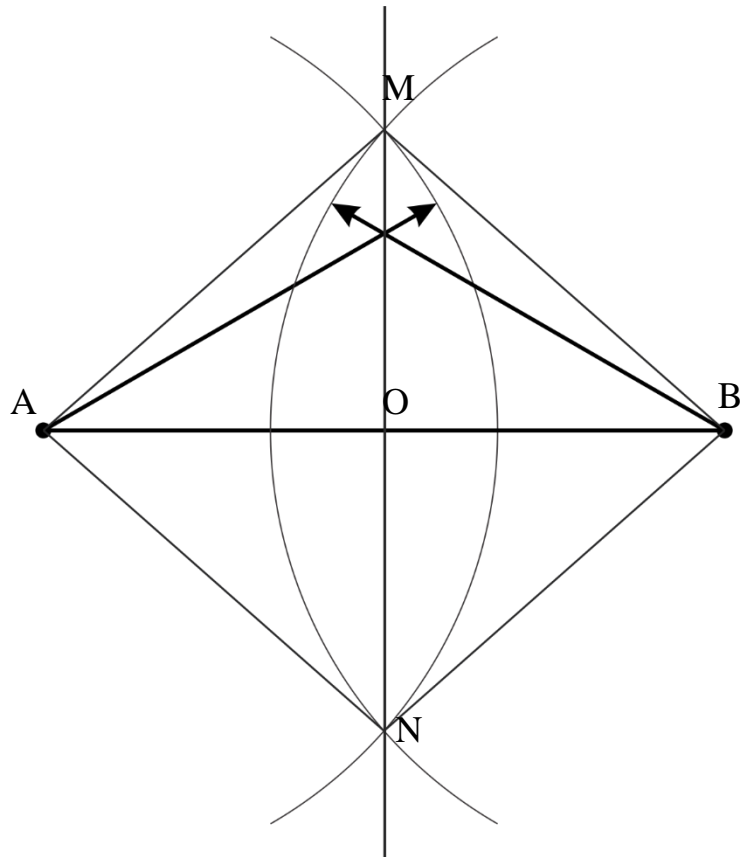
Classwork 18.

1. Construct a triangle by 3 sides.



2. Divide a segment into two equal parts.

$[AM] = [MB] = [AN] = [NB]$
 Triangles AMB and ANB are isosceles and congruent
 Triangles AMN and MNB are isosceles and congruent. Angle $\angle AMN = \angle NMB$, so MN is a bisector of the angle $\angle AMB$. In isosceles triangle this bisector is a median and altitude. So, point O is a midpoint of a segment $[AB]$.



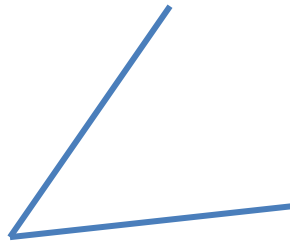
3. Construct a perpendicular to a line, passing through the point on the line.



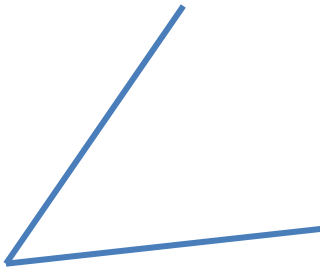
4. Construct a perpendicular to a line, passing through the point outside the line.



5. Construct a bisector of an angle.



6. Construct an angle equal to a given angle.



7. Construct an isosceles triangle by a leg and the altitude, drawn to this leg.

