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(Affiliated to CBSE up to +2 Level)

CLASS: VII

SUB.: MATHS (NCERT BASED)

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Exercise 6.1

1. In a $\triangle ABC$, draw medians AX and CZ of the triangle.
2. In a $\triangle PQR$, draw altitudes PU and QV of the triangle.
3. Draw a triangle in which two altitudes of the triangle are its sides.
4. Draw a triangle in which the orthocentre of the triangle lies in the exterior of the triangle.
5. In a right-angled triangle ABC, what is the orthocentre of the triangle?
6. Fill in the blanks:
 - (a) To get the centroid of a triangle, we must draw at least two _____.
 - (b) The point where the medians of a triangle meet, is called the _____ of the triangle.
 - (c) An isosceles triangle has _____ equal medians.
 - (d) An _____ triangle has three equal altitudes.
 - (e) Median of a triangle is the line segment joining a vertex of the triangle to the _____ of the opposite side.
 - (f) A triangle can have atmost _____ altitudes.
 - (g) The meeting point of the altitudes of a triangle is called the _____ of the triangle.