

Board –CBSE

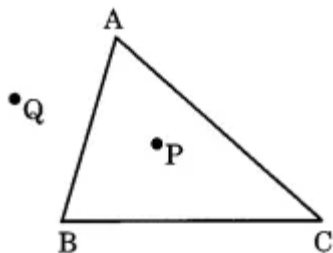
Class – 6th

Topic – Basic Geometrical Ideas Ex:4.4

Exercise – 4.4

Q1. Draw a rough sketch of a triangle ABC. Mark a point P in its interior and a point Q in its exterior. Is the point A in its exterior or on its interior?

Sol. Triangle ABC is the given triangle.



P is in the interior of $\triangle ABC$.

Q is on the exterior of $\triangle ABC$.

A is neither in the exterior nor in the interior. It is on the triangle ABC.

- Q2.** (a) Identify three triangles in the figure.
(b) Write the names of seven angles.
(c) Write the names of six line segments.
(d) Which two triangles have $\angle B$ in common?

Sol. (a) Three triangles are: $\triangle ABC$, $\triangle ABD$, and $\triangle ADC$.

(b)

(i) $\angle ABC$

(ii) $\angle ADB$

(iii) $\angle BAD$

(iv) $\angle ADC$

(v) $\angle ACD$

(vi) $\angle DAC$

(vii) $\angle BAC$.

(c) \overline{AB} , \overline{BD} , \overline{AD} , \overline{DC} , \overline{BC}

(d) ΔABC and ΔABD have $\angle B$ as common.