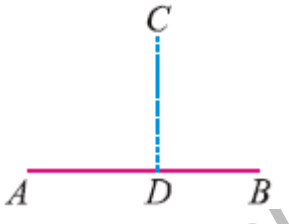
Unit8 Projection of a Side of Triangle

Q: Define projection.

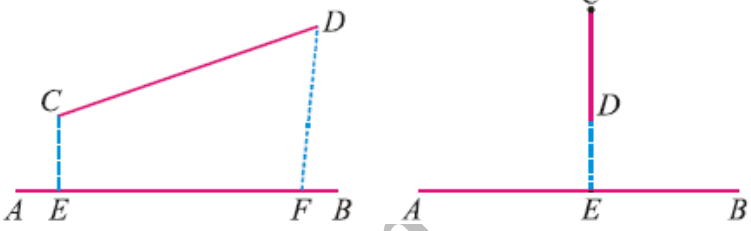
The projection of a given point on a line segment is the foot of ⊥ drawn from the point on that line segment. If $\overline{CD} \perp \overline{AB}$, then evidently D is the foot of perpendicular CD from the point C on the line segment AB.



Q: Define zero dimension.

The projection of line segment $\overline{CD}$ on a line segment $\overline{AB}$ is the portion $\overline{EF}$ of the latter intercepted between foots of the perpendiculars drawn from C and D.

However, projection of a vertical line segment $\overline{CD}$ on a line segment $\overline{AB}$ is a point on $\overline{AB}$ which is of zero dimension.



Q: Define right angle.

An angle which is 90° is called right angle.

Q: Define obtuse angle.

An angle which is greater than 90° is called obtuse angle.

Q: Define acute angle.

An angle which is less than 90° is called acute angle.