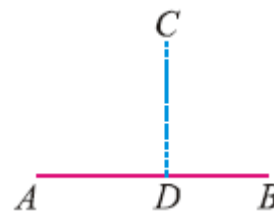


Unit 8 Projection of a Side of Triangle

Q: Define projection.

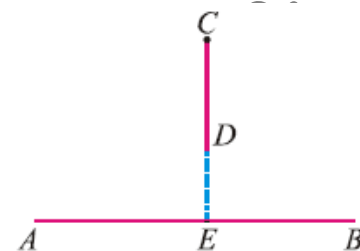
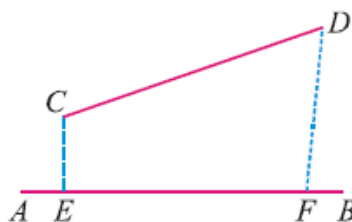
The projection of a given point on a line segment is the foot of \perp drawn from the point on that line segment. If $\overline{CD} \perp \overline{AB}$, then evidently D is the foot of perpendicular CD from the point C on the line segment AB .



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 feet 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.