![Cosmo School]
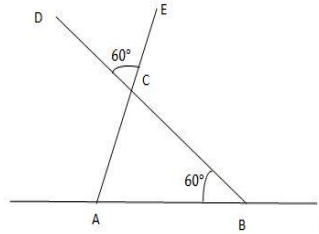
Class-Six
Subject-Mathematics
Topic: Geometry
CHT-01

Full Marks:20   **Time :40 Minutes**

1. in the adjacent diagram

   a) What is the supplementary angle of $< ABC$?
   b) What is the measurement of $< ACB$ and why?
   c) Prove That$< DCE +< ECB = 180°$.

2. The lines AB and CD intersect at the point O.
   a). Based on the above information, draw a figure.

   b). Prove that, the produced vertically opposite angles are equal to each other.

   c). If ∠AOC = (4x – 16) and ∠ BOC = 2(x + 20), determine the value of x