



INDIAN SCHOOL NIZWA - WORKSHEET

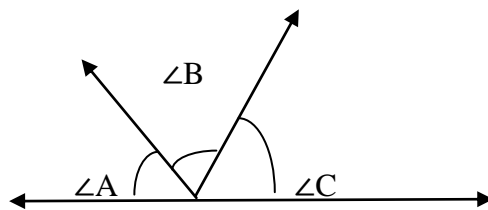
MATHEMATICS CH:6 Lines and Angles

Name: _____

Date: _____

Class: IX Sec: ____

1. The complement of an angle m
2. In the given figure, Find the value of x . If $\angle A = (x + 3)$, $\angle B = (x + 20)$ and $\angle C = (x + 7)$



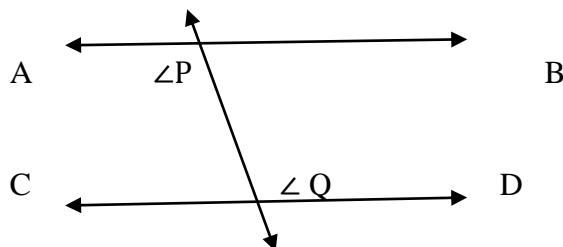
3. If lines AB and CD are parallel and P is any point between the two lines. Prove that

$$\angle DPB = x + y.$$

4. If bisectors of angles B and C of a triangle ABC, intersect each other at the point O. Prove that

$$\angle BOC = 90^\circ + \frac{\angle A}{2}$$

5. Prove that the sum of the three angles of a triangle is 180°
6. If $AB \parallel CD$, Then find the value of x . $\angle P = (2x + 40)^\circ$ and $\angle Q = (x + 90)^\circ$



7. Find the supplementary angle of 60° .