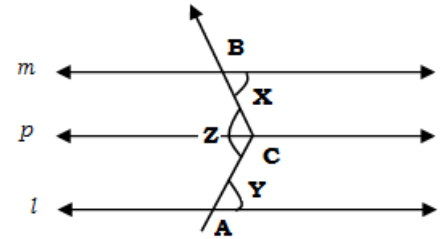


Lines and Angles: Worksheet -6

1. In the adjoining figure $l \parallel m$. A is a point on l and B is a point on m . C is a point not on l or m . Show that $\angle Z = \angle X + \angle Y$.



2. In the adjoining figure $l \parallel m$ and 'p' is the transversal intersecting l & m in A & B respectively. \overrightarrow{AC} is the bisector of $\angle A$ and \overrightarrow{BD} is the bisector of $\angle B$. Show that $\overrightarrow{AC} \parallel \overrightarrow{BD}$.

