Q.No.	DAY - 36
209	**Example 6.1 (Cosine formulae)** With usual notations, in any triangle ABC, prove the following by vector method. (i) $a^2 = b^2 + c^2 - 2bc\cos A$
210	**Example 6.2** With usual notations, in any triangle ABC, prove the following by vector method. (i) $a = b\cos C + c\cos B$
211	**Example 6.3** By vector method, prove that $\cos(\alpha+\beta) = \cos\alpha\cos\beta - \sin\alpha\sin\beta$.
212	**Example 6.4** With usual notations, in any triangle ABC, prove by vector method that $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$.
213	**Example 6.5** Prove by vector method that $\sin(\alpha-\beta) = \sin\alpha\cos\beta - \cos\alpha\sin\beta$.