



## Dhaka Board Mathematics paper

This has reference to the 1989 H.S.C. Examination in Mathematics, Second Paper (Ka-set) part-Kha (Dynamics) Question No. 5 (Kha). According to the question, if the angle between the velocities  $u$  and  $v$  is  $60^\circ$ , their resultant is  $5v$ . From this condition, it is proved (both trigonometrically and

geometrically) that  $u = \left(\frac{13}{3}\right)v$ ,

i.e. the value of  $u$  is about 4.4 times that of  $v$ . Then by

using this relation between  $u$  and  $v$ , it can be proved mathematically that  $\theta$  has no real/practical value for which the resultant of  $u$  and  $v$  is  $v$ .

This type of faulty question puts the examinees in serious confusion regarding both time and effort. So, the Dhaka Board authority is requested to fully evaluate the examinees attempting this question.

UJJAL, JOYANTA, JAFRUL,  
H.S.C. Examinees (1989)  
Notre Dame College, Dhaka