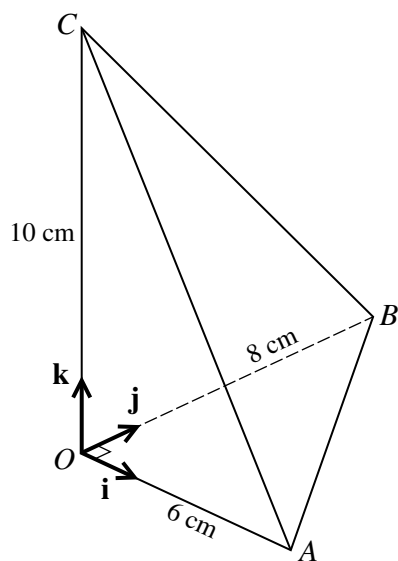


5



The diagram shows a pyramid $OABC$ with a horizontal base OAB where $OA = 6$ cm, $OB = 8$ cm and angle $AOB = 90^\circ$. The point C is vertically above O and $OC = 10$ cm. Unit vectors \mathbf{i} , \mathbf{j} and \mathbf{k} are parallel to OA , OB and OC as shown.

Use a scalar product to find angle ACB .

[6]