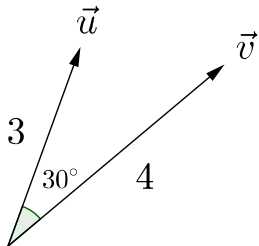


# The Cross Product



## Question

The figure shows two vectors in the  $xy$ -plane with  $|\vec{u}| = 3$  and  $|\vec{v}| = 4$ . Which of the following could be  $\vec{u} \times \vec{v}$ ?



- A.  $-6\vec{k}$
- B.  $6\vec{k}$
- C.  $6(\vec{i} + \vec{j})$
- D.  $6\vec{j}$