## QUESTION

If $\mathbf{c}=\mathbf{i}-\mathbf{j}+2 \mathbf{k}$ and $\mathbf{d}=\mathbf{j}-\mathbf{k}$ find $\mathbf{c} \times \mathbf{d}$.

$$
\begin{aligned}
& \text { ANSWER } \\
& \mathbf{c} \times \mathbf{d}=(1,-1,2) \times(0,1,-1)=(-1(-1)-2(1), 2(0)-1(-1), 1(1)-(-1) 0) \\
& \quad=(1-2,0+1,1-0)=(-1,1,1)
\end{aligned}
$$

