## QUESTION

If $z=2-j$ and $w=-1+3 j$ find the real and imaginary parts of $z w$.

## ANSWER

$z w=(2-j)(-1+3 j)=-2+6 j+j-3 j^{2}=-2+7 j-3(-1)$ i.e. $z w=1+7 j$.
Therefore the real part is 1 and the imaginary part is 7 .

