## QUESTION

Write down the vector equation of the straight line which passes through the two points $A(1,2,-1)$ and $B(0,1,-3)$.

ANSWER
$A(1,2,-1), B(0,1,-3) \quad \overrightarrow{A B}=(0-1,1-2,-3+1)=(-1,-1,-1)$ The equation of the line is $\mathbf{r}=(1,2,-1)+t(-1,-1,-2)$

