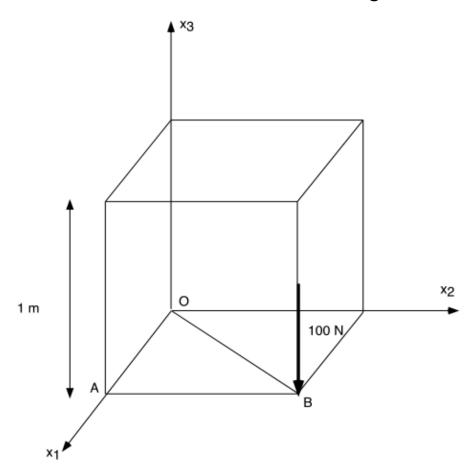
U3 CQ4 For the system of forces and moments given below, what is the resultant force and moment acting at the origin?



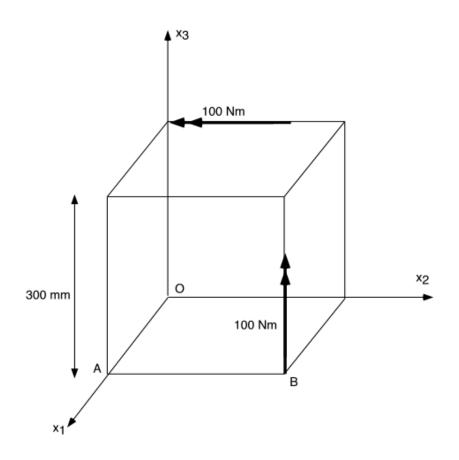
$$1 \underline{R} = \begin{pmatrix} 0 \\ 0 \\ -100 \end{pmatrix} N, \quad \underline{M} = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} Nm$$

$$1\underline{R} = \begin{pmatrix} 0 \\ 0 \\ -100 \end{pmatrix} N, \quad \underline{M} = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} Nm \qquad 2R = \begin{pmatrix} 0 \\ 0 \\ -100 \end{pmatrix} N, \quad M = \begin{pmatrix} -100 \\ 100 \\ 0 \end{pmatrix} Nm$$

$$3. R = \begin{bmatrix} 0 \\ 100 \\ 100 \end{bmatrix} N, \quad M = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} Nm$$

3.
$$R = \begin{bmatrix} 0 \\ 100 \\ 100 \end{bmatrix} N$$
, $M = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} Nm$ 4. $R = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} N$, $M = \begin{bmatrix} 100 \\ 0 \\ -100 \end{bmatrix} Nm$

U3 CQ5. For the system of forces and moments given below, what is the resultant force and moment acting at the origin?



1.
$$\underline{R} = \begin{bmatrix} 0 \\ -100 \\ 100 \end{bmatrix} N$$
, $\underline{M} = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} Nm$, 2. $R = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} N$, $M = \begin{bmatrix} 0 \\ -100 \\ 100 \end{bmatrix} Nm$

3.
$$R = \begin{bmatrix} 0 \\ 100 \\ 100 \end{bmatrix} N$$
, $M = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} Nm$ 4. $R = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix} N$, $M = \begin{bmatrix} 100 \\ 0 \\ -100 \end{bmatrix} Nm$