1.
$$\underline{u}=\begin{pmatrix}5\\1\\3\end{pmatrix}$$
, $\underline{v}=\begin{pmatrix}2\\0\\1\end{pmatrix}$, $\underline{w}=\begin{pmatrix}-1\\1\\1\end{pmatrix}$ using a determinant.

2. Construct $D\underline{f}$ for the function $\underline{f} = \begin{pmatrix} (x+z)\sin(y) \\ xy^2z \end{pmatrix}$.