Solution (\#799) The points $(1,0,0)^{T}$ and $(0,1,0)^{T}$ are fixed. The point $(0,0,1)^{T}$ moves parallel to the $z=0$ plane and so moves to $\left(d_{1}, d_{2}, 0\right)$ say. Thus the associated matrix for this shear is

$$
\left(\begin{array}{ccc}
1 & 0 & d_{1} \\
0 & 1 & d_{2} \\
0 & 0 & 1
\end{array}\right)
$$

