R3.

Let $M = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$

$$EM = \begin{pmatrix} 1 & 0 \\ s & 1 \end{pmatrix}\begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

$$= \begin{pmatrix} a & b \\ sa+c & sb+d \end{pmatrix}$$

So the second row of EM obtained from M by multiplying the first row by s, and adding it to the second.

Now

$$EM = \begin{pmatrix} 1 & s \\ 0 & 1 \end{pmatrix}\begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

$$= \begin{pmatrix} a+sc & b+sd \\ c & d \end{pmatrix}$$