Step-1

Given system is $2x + 3y = 1$

$10x + 9y = 11$

Given system can be written matrix form as

$$\begin{pmatrix} 2 & 3 \\ 10 & 9 \end{pmatrix}\begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} 1 \\ 11 \end{pmatrix}$$

The augmented matrix is

$$\begin{pmatrix} 2 & 3 & 1 \\ 10 & 9 & 11 \end{pmatrix}$$

Step-2

Subtract $\frac{10}{2} = 5$ times the first row from the second row to get $\begin{pmatrix} \boxed{2} & 3 & 1 \\ 0 & \boxed{-6} & 6 \end{pmatrix}$

which is upper triangular system $2x + 3y = 1$

$-6y = 6$

Therefore the multiple $\boxed{l = 5}$ and the pivots are $\boxed{2, -6}$.