Find a 2×2 matrix A such that $\begin{bmatrix} -5 \\ 1 \end{bmatrix}$ and $\begin{bmatrix} 2 \\ -3 \end{bmatrix}$ are eigenvectors of A with eigenvalues 1 and -3, respectively.

$A = \begin{bmatrix} \square & \square \\ \square & \square \end{bmatrix}$

Find a 2×2 matrix A such that $\begin{bmatrix} -5 \\ 1 \end{bmatrix}$ and $\begin{bmatrix} 2 \\ -3 \end{bmatrix}$ are eigenvectors of A with eigenvalues 1 and -3, respectively.

$$A = \begin{bmatrix} \boxed{21/13} & \boxed{40/13} \\ \boxed{-12/13} & \boxed{-47/13} \end{bmatrix}$$