Find the value of k for which the matrix

$$A = \begin{bmatrix} 9 & 7 & -23 \\ 2 & -4 & 6 \\ -4 & 5 & k \end{bmatrix}$$

has rank 2.

$k = \boxed{}$

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$$A = \begin{bmatrix} 9 & 7 & -23 \\ 2 & -4 & 6 \\ -4 & 5 & k \end{bmatrix}$$

has rank 2.

$k = \boxed{-6}$