

## Discussion 2

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Find a value of  $k$  so that the matrix  $A = \begin{bmatrix} 2 & 4 \\ 3 & k \end{bmatrix}$  has  $\det(A) = 0$ , or explain why it is not possible

$$A = \begin{bmatrix} 2 & 4 \\ 3 & k \end{bmatrix} \Rightarrow 2k - 12 = 0 \Rightarrow k = 6$$