3. Consider the following matrix A:

$$A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 1 & 0 \\ 4 & 2 & 2 \end{bmatrix}$$

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For each value of λ given below determine if it is an eigenvalue of A. $(-\lambda \cdot 1 - \lambda \cdot 2 - \lambda) + O + 4$

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