

Linear Algebra
C Term, Sections C01-C04
W. J. Martin
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PRACTICE ONLY – DO NOT HAND IN

Linear Algebra Quiz 7

(a) Find all eigenvalues of the matrix

$$A = \begin{bmatrix} 3 & 1 \\ 1 & 3 \end{bmatrix}$$

(b) Find a basis for each eigenspace of A