**Attendance Quiz for Lecture 18**

**NAME:** (print!) _____    **Section:** _____

**E-MAIL ADDRESS:** (print!) _____

**1.** Find the eigenvues of the following matrix, and determine a basis for each eigenspace.

$$A = \begin{bmatrix} 3 & 0 & 0 \\ 9 & 3 & 10 \\ -5 & 0 & -2 \end{bmatrix} \quad .$$