

Name:

Section (time):

Math 340 Quiz ★12★

1.) Is the following function a linear transformation? $L : \mathbb{R} \rightarrow \mathbb{R}$,

$$L(x) = |x|.$$

2.) Find the eigenvalues of

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