Name:
Section (time):

Math 340 Quiz ⋆9⋆

1.) Find all values of c so that $\|u\| = 3$ for

$$u = \begin{bmatrix} 1 \\ c \\ 0 \end{bmatrix}.$$

2.) Find c so that the following vectors are orthogonal.

$$u = \begin{bmatrix} 2 \\ c \end{bmatrix}, \ v = \begin{bmatrix} 2 \\ -1 \end{bmatrix}$$