	Quiz:	Sections	3.3
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Name: \_

Linear Algebra MATH 310 R. Hammack

October 6, 2016

Score: \_\_\_\_\_

Directions: Please answer in the space provided. No calculators. Please put all phones, etc., away.

1. Suppose A is a  $5 \times 5$  matrix, and  $A^2 = 2I$ . What are the possible values for det(A)? Explain.

2. Find all values of x that make  $\begin{bmatrix} 1 & 0 & 3 \\ 2 & -1 & 0 \\ 4 & 2 & x \end{bmatrix}$  singular.