Quiz 09

(2 points) The location of Exam 2 is _____.

The Characteristic Equation

(8 points) Find h in the matrix A below such that the eigenspace for $\lambda = 6$ is two-dimensional.

A =	6	-2	8	-7
	0	4	h	0
	0	0	6	5
	0	0	0	1

The value of h is $h = _$. (No partial credits)

Homogeneous Linear Equations

(10 points) Find a solution to the initial value problem

$$y'' + 4y' + 4y = 0;$$
 $y(0) = 1,$ $y'(0) = 3.$

(No credits for the answer without necessary explanation.)

Quiz 09

 Special number:
 Name:

 Section Number:
 PUID: