Name:Solutions			
ID Number (last four digits):	(10 points)	Exam Number:	
Grade: 1: 2: 3: Total:			

Solve ${\color{red} {\bf ALL} \ the \ problems}$ in the space provided

Read the Problems CAREFULLY!

There are $2~(\mathrm{TWO})$ pages this page included

Problem 1. (20 POINTS)

Write the output of the following two fprintf commands in the indented and boxed space underneath it that can accommodate 25 characters, one per box. (Three lines of output are provided; you might not need them all).

```
>> fprintf('matlab=%4d\n', 10);
% First line
>> fprintf('matlab=%-4d\n', 10);
% First line sp:space printed
% Second line
% Third line
Problem 2. (10 POINTS)
What does the following MATLAB program print?
>> x=50; y = 70; z=90;
>> if (x+z > 2*y)
  fprintf('this\n');
 else
  fprintf('that\n');
 end
% First line
% Second line
Problem 3. (10 POINTS)
What does the following MATLAB program print?
>> x=50; y = 70; z=90;
>> if (x+z > 2*y)
  fprintf('this\n');
 elseif (2*x < z)
  fprintf('that\n');
  fprintf('what\n');
% Second line
```