

## ME 1020 Engineering Programming with MATLAB

Problem 5.9:

9. Plot columns 2 and 3 of the following matrix **A** versus column 1. The data in column 1 are time (seconds). The data in columns 2 and 3 are force (newtons).

$$\mathbf{A} = \begin{bmatrix} 0 & -7 & 6 \\ 5 & -4 & 3 \\ 10 & -1 & 9 \\ 15 & 1 & 0 \\ 20 & 2 & -1 \end{bmatrix}$$

```
% Problem 5.9
clear
clc
disp('Problem 5.9: Scott Thomas')

A = [0 -7 6;
     5 -4 3;
     10 -1 9;
     15 1 0;
     20 2 -1]

plot(A(:,1),A(:,2), A(:,1),A(:,3)), xlabel('Time (seconds)'), ylabel('Force (Newtons)'),grid on
legend('Column 1','Column 2','Location','NorthWest')
title('Problem 5.9: Scott Thomas')
```

Problem 5.9: Scott Thomas

A =

0	-7	6
5	-4	3
10	-1	9
15	1	0
20	2	-1

