

Pop Quiz 1 – Answer Sheet

Question 1

```
>> A = [1 2 3; 4 5 6; 7 8 9];
>> B = [3 ; 2; 1];
>> C = [2 3 4];
>> D = [0.00:0.01:20.00]';
>> E = [20:-0.10:12];
```

Question 2

```
>> P = [2 -4 4 -24];
>> polyval(P,127);
>> x = 0:0.01:25 ;
>> y = polyval(P,x);
>> plot(x,y)
```

Question 3

```
>> A = [23 32 -40; 42 26 0; 23 0 12];
>> B = [78; -23; 18];
>> X = A\B
```

Question 4

```
>> load sales.txt;
>> year = sales(:,1);
>> cars = sales(:,2);
>> trucks = sales(:,3);
>> vehicles = cars + trucks;
>> plot(year, cars) %% Try bar(year,cars)
>> plot(year, trucks)
>> plot(year, vehicles)
%% Displaying the three plots in a single column using the
%% subplot function
>> subplot (3,1,1)
>> plot(year, cars)
>> subplot (3,1,2)
>> plot(year, trucks)
>> subplot (3,1,3)
>> plot(year, vehicles)
%% Combining the three plots in a single plot using the
%% hold function
>> plot(year, cars)
>> hold on
>> plot(year, trucks)
>> hold on
>> plot(year, vehicles)
```

Question 5

```
>> x = -pi:0.01:pi ;  
>> y = 2*(sin(x)).^2-1;  
>> plot(x,y)
```