Table of Contents

```
% Alexander Hay
% Homework 0
```

Question 1

installed

Question 2

```
x=6;        % this stores the variable
x=6         % this prints to the command window
y=2;

x+y;        % ans=8
x-y;        % ans=4
x*y;        % ans=12
x/y;        % and=3

% variables are x, y, and ans


x =

    6
```

Question 3

```
a=[1,2,5,7,4];
a(1);       % returns 1, first index in vector
%a(0);      % returns an error, matlab indicies start at 1
a([2,4]);   % returns 2 and 7, the 2nd and 4th indicies of the vector
a+y;        % adds y to each value in vector, returns vector
            % [3,4,7,9,6]
a*y;        % multiplies y by each value in vector, returns vector
            % [2,4,10,14,8]
length(a);  % returns 5, number of elements in vector
min(a);     % returns 1
max(a);     % returns 7
```

Question 4

```
A = [1,2,3;4,5,6];
A(1);        % returns 1
A(1,1);      % returns 1
A(1,2);      % returns 2
A(2,1);      % returns 4
A*y;         % returns 2x3 matrix
             % [2, 4, 6]
             % [8,10,12]
A'           % returns A transposed


ans =

    1    4
    2    5
    3    6
```

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