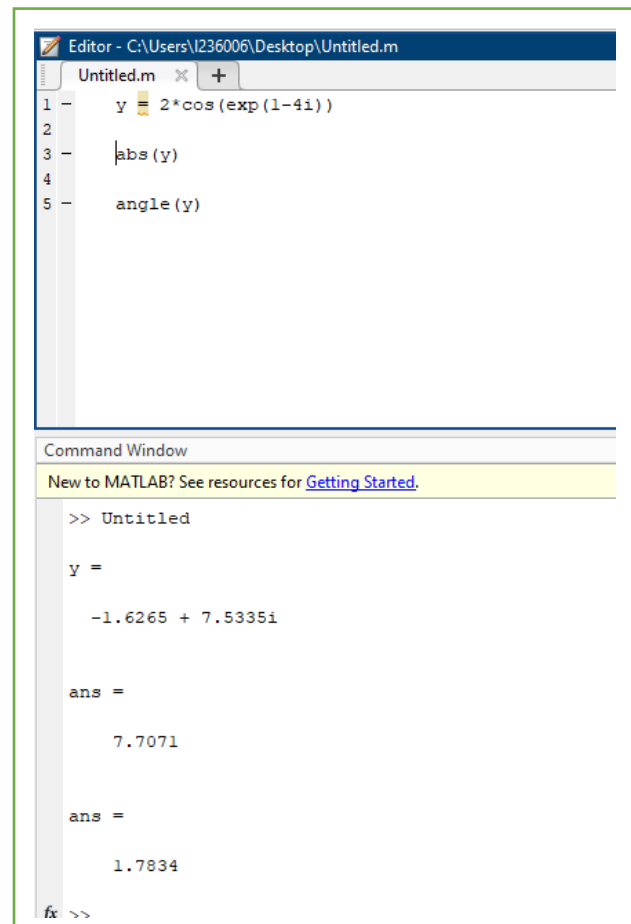


EX 1.1



The image shows the MATLAB Editor and Command Window. The Editor window displays a script named 'Untitled.m' with the following code:

```
1 - y = 2*cos(exp(1-4i))
2
3 - abs(y)
4
5 - angle(y)
```

The Command Window shows the execution results:

```
>> Untitled

y =

    -1.6265 + 7.5335i

ans =

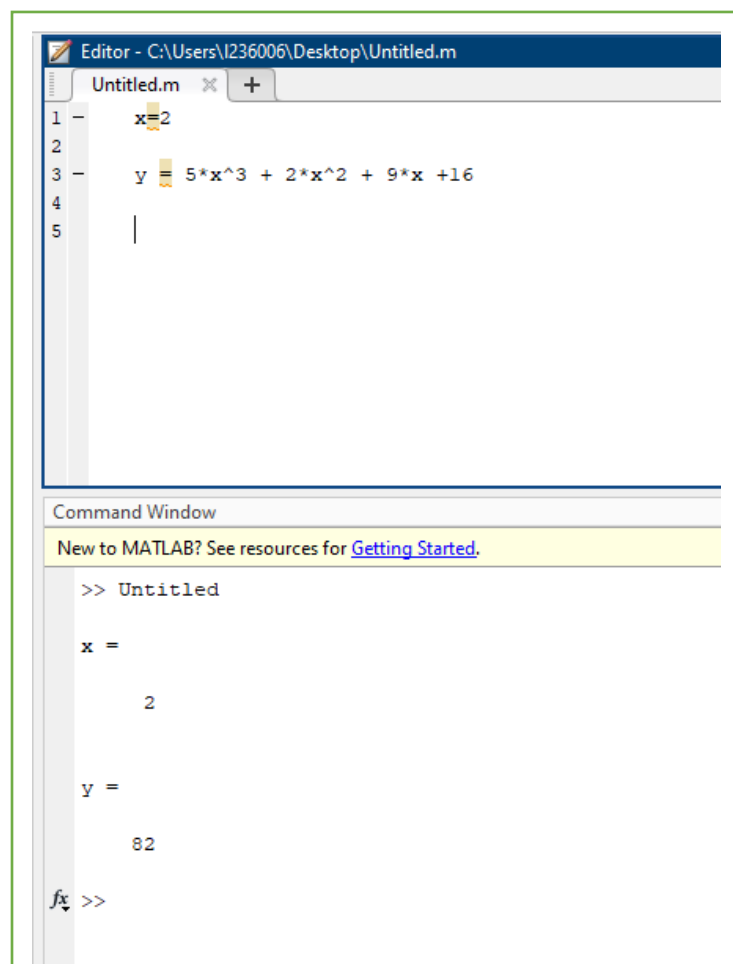
    7.7071

ans =

    1.7834

fx >>
```

EX 1.2



The image shows the MATLAB Editor and Command Window. The Editor window displays a script named 'Untitled.m' with the following code:

```
1 - x=2
2
3 - y = 5*x^3 + 2*x^2 + 9*x +16
4
5 -
```

The Command Window shows the execution results:

```
>> Untitled

x =

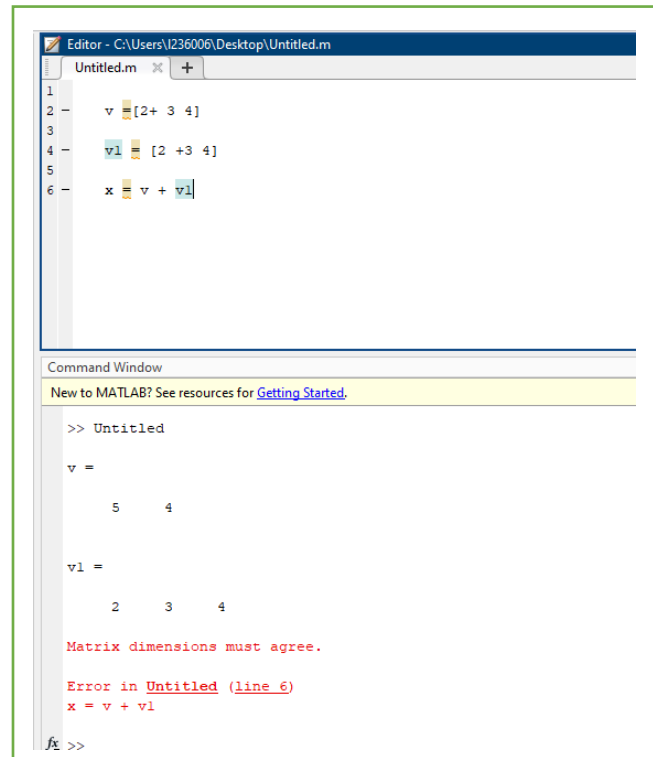
    2

y =

    82

fx >>
```

EX 1.3



The image shows a MATLAB Editor window with a file named 'Untitled.m' and a Command Window below it. The Editor contains the following code:

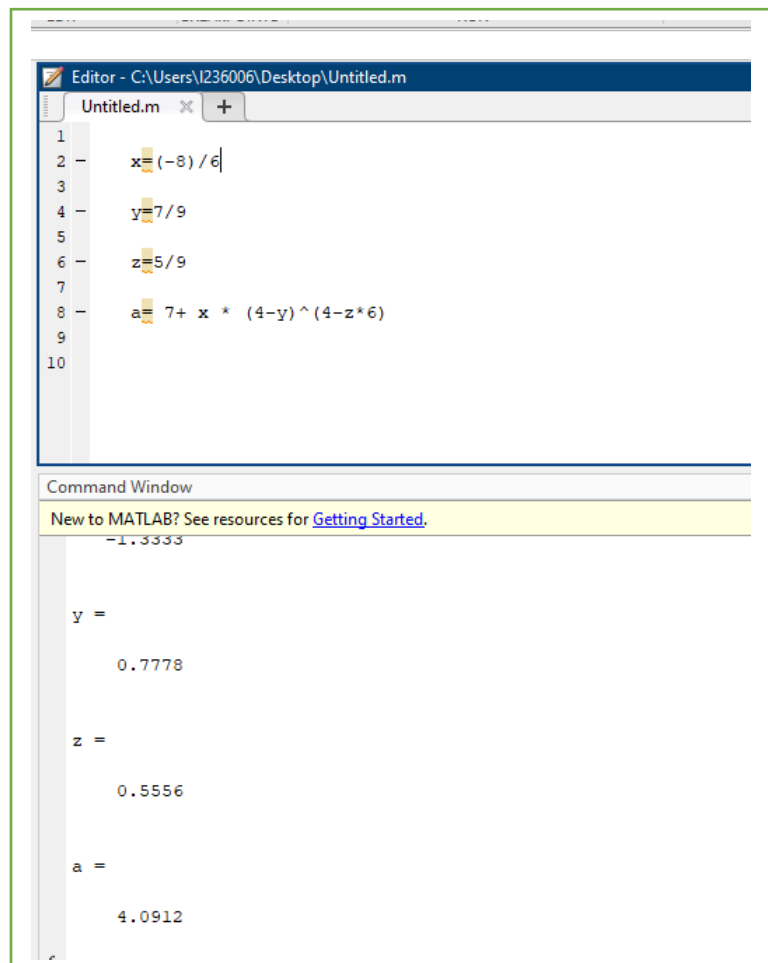
```
1  
2 v = [2+ 3 4]  
3  
4 v1 = [2 +3 4]  
5  
6 x = v + v1
```

The Command Window shows the execution of the code, resulting in an error:

```
>> Untitled  
  
v =  
  
     5     4  
  
v1 =  
  
     2     3     4  
  
Matrix dimensions must agree.  
  
Error in Untitled (line 6)  
x = v + v1  
  
fx >>
```

Post Lab

Question 1



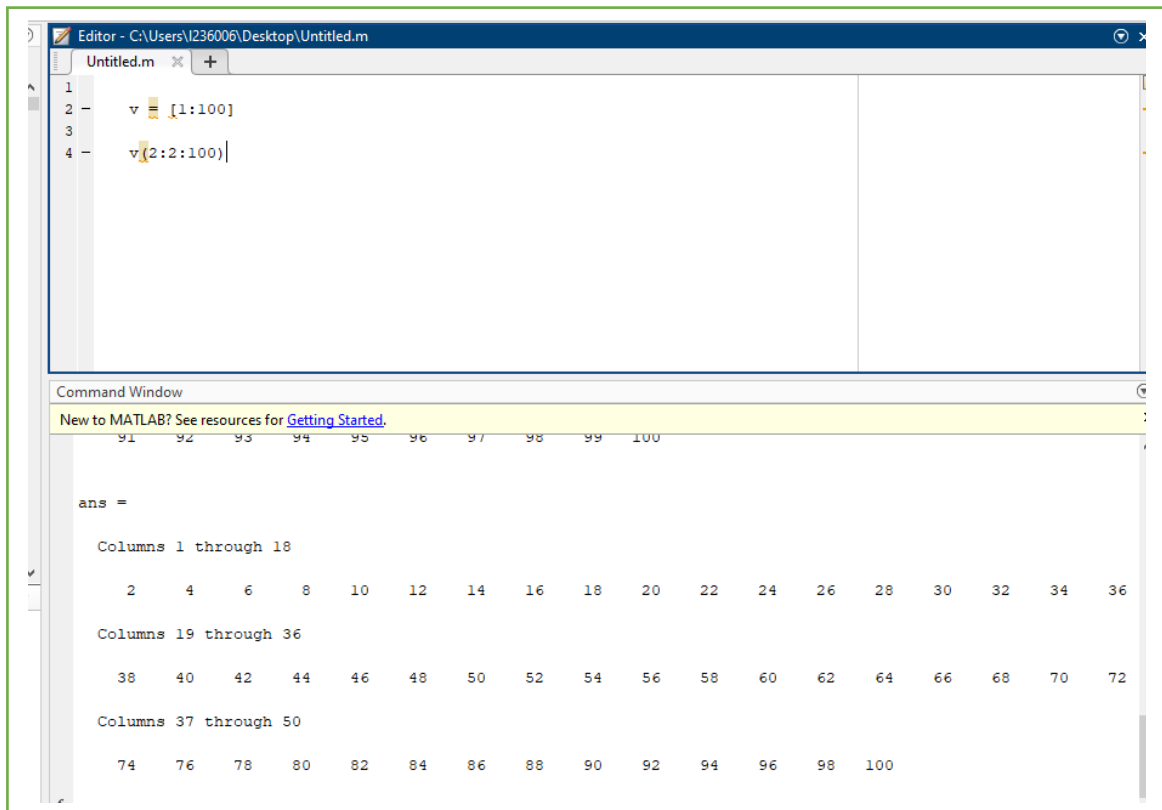
The image shows a MATLAB Editor window with a file named 'Untitled.m' and a Command Window below it. The Editor contains the following code:

```
1  
2 x = (-8) / 6  
3  
4 y = 7/9  
5  
6 z = 5/9  
7  
8 a = 7+ x * (4-y) ^ (4-z*6)  
9  
10
```

The Command Window shows the execution of the code, resulting in the following output:

```
New to MATLAB? See resources for Getting Started.  
  
-1.3333  
  
y =  
  
    0.7778  
  
z =  
  
    0.5556  
  
a =  
  
    4.0912
```

Question 2



The screenshot shows the MATLAB Editor with a file named 'Untitled.m' containing the following code:

```
1 v = [1:100]
2
3
4 v(2:2:100)
```

The Command Window displays the output of the code:

```
New to MATLAB? See resources for Getting Started.

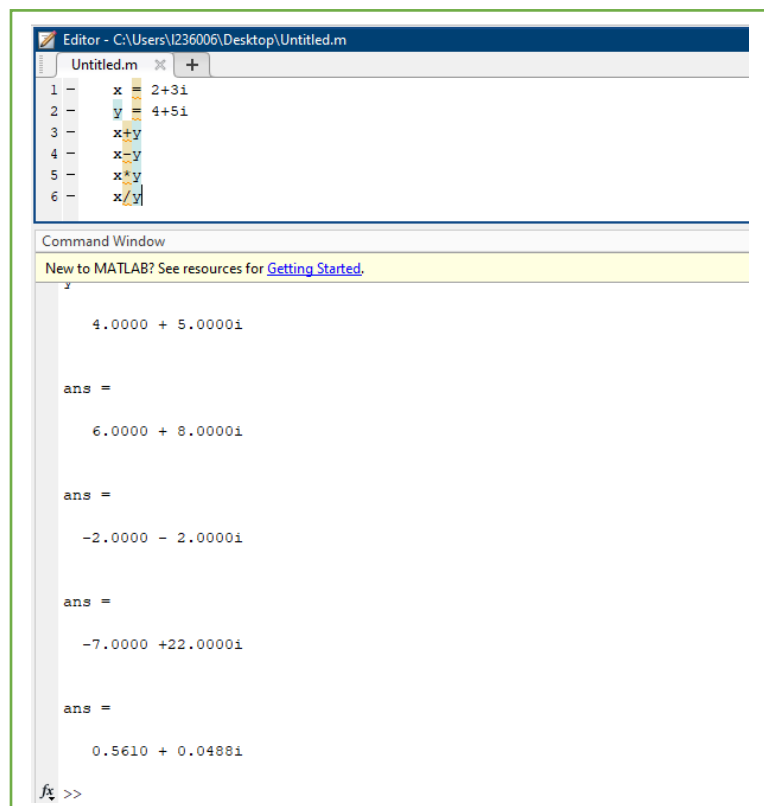
ans =

Columns 1 through 18
     2     4     6     8    10    12    14    16    18    20    22    24    26    28    30    32    34    36

Columns 19 through 36
    38    40    42    44    46    48    50    52    54    56    58    60    62    64    66    68    70    72

Columns 37 through 50
    74    76    78    80    82    84    86    88    90    92    94    96    98   100
```

Question 3



The screenshot shows the MATLAB Editor with a file named 'Untitled.m' containing the following code:

```
1 x = 2+3i
2 y = 4+5i
3 x+y
4 x-y
5 x*y
6 x/y
```

The Command Window displays the output of the code:

```
New to MATLAB? See resources for Getting Started.

4.0000 + 5.0000i

ans =

6.0000 + 8.0000i

ans =

-2.0000 - 2.0000i

ans =

-7.0000 +22.0000i

ans =

0.5610 + 0.0488i

fx >>
```