

```

clc
clear
disp('Name and Date:           Jeremy Stark 01/23/2019');
disp('Course and Section:     ENGR297 and class # 22749');
disp('Problem:                Matlab Classwork 3');
disp('Statement:              Working with matrices, arrays, and vectors.');
```

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```

disp(' ');

square_matrix = [20 -10 55 71; -99 30 67 14; 85 -11 40 -29; -58 76 32 91;]

out1 = square_matrix(2,:)
out2 = square_matrix(3:4,2:3)
out3 = square_matrix(1:2:3,:)
out4 = size(square_matrix)
out5 = [square_matrix(4,:),square_matrix(2,:)]
out6 = size(out5)

```

```

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```

```
square_matrix =
```

```

    20    -10    55    71
   -99     30    67    14
    85    -11    40   -29
   -58     76    32    91

```

```
out1 =
```

```

   -99     30    67    14

```

```
out2 =
```

```

   -11     40
    76     32

```

```
out3 =
```

```

    20    -10    55    71
    85    -11    40   -29

```

```
out4 =
```

```

     4     4

```

```
out5 =
```

-58      76      32      91      -99      30      67      14

out6 =

1      8