Make nure that you are in the correct discussion section!!! (this affects your attendance grade)

## Announcements

- · make oure you get all 3 exam dates from the syllabus on your calendars!
  - 13 first exam is 2 weeks from today from 430-6 pm EST for everyone 15 note the mistake on the syllabors that says it's due at 615 pm ... it's due @ 6 pm!
- · Berninder about questions... look & the discussion forum first to see whether the question has already been answered by if not, use the discussion forum on BB, do not email Prof. Attaway to (you can email us through)
- · MATLAB Grader problems are now being released after lab, at 1215 pm. EST on Mon/Wed
- . The Open Hours are posted
- · Homework # 1 is posted (it's a fun one!)

  Lyou must nork in groups of 2 or 3

  by individual assignments will not be accepted and will receive a zero.
- · Quiz #1 at 1045 am EST today, at the end of discussion!

Peview Last Week's Practice Quiz

4 \* 2 - 6/3

Hep 1: 4+2 → 8

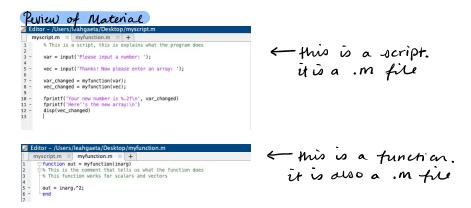
step 2: 6/3 -> 2

step 3: 8 - 2 => 6 (this is spred in ans)

## 2:3:10

produces a vector from 2 to 10 in sups of 3

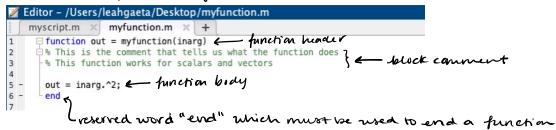
2 5 8 \( notice that 9 and 10 are not included Decause they full within that step value of 3



things to notice:

- · the script calls the function (both files must be in the same working path, here, they're both in Leah's desktop)
- · the function fluname must be the same as the function name
- · the block comments:
  - for the script, the block comment comes first
  - for the function, the block comment comes after the function header

## Let's at the function again:



onl more thing: notice what happens when you type help and then the fluname nithant the extension

```
Command Window

>> help myscript
This is a script, this is explains what the program does

>> help myfunction
This is the comment that tells us what the function does
This function works for scalars and vectors

fx >>
```

we the the comment block! this is may it is no important to add comment blocks to your scripts and functions; if nome are is trying to make turn of your program then they know what to do!

ploting
plot(x,y, formatting)
title()
xlabel()
ylabel()
axis([xmin xmax ymin ymax])

[this is a vector

```
for ex.
X= einspace (0, 2*pi, 50);
y = -nin(x);
puot(x, y, 'bo')
full ('Sine Plot')
xlabel ('x axis')
ylabel ('y axis')
axu([0, 2*pi, -2, 2])
 formatters that you need to know:
    <u> - jymbocs:</u>
                           colors:
                                  (red)
           (dot)
           (dash)
                              6 (blue)
           (plus -sign)
                                (green)
                              K (Black)
           (cirde)
                               ... if you're curous about more:
            (-star)
                                       m (magenta)
                                        c (yan)
                                        y (yeuw)
                                                  ... for fun, look up how
                                                    to make your own!
My say you want two prots
on one figure window:
K = linspace (0, 2* pi, 50);
y^1 = -n'n(x);
42 - cos (x);
figure
-prot (x, y1, 'bo')
title ('Two Proto!')
x Label ('x varmes')
                                   this puts the sine and come graphs
yearel ('y varnes')
                                   on one prot! you need to rupe hold on and
axu(LO, 2*pi, -2, 2))
                                   hold off, and you should always
hold on
                                   include a legand ... MATCAB knows that
puo+(x, y2, 'r*')
                                   the first argument to legend is the
Legend ('nn(x)', 'cos(x)')
                                   first prot, the second argument the
```

second poot, etc.)

hold off