In class: Indicate in table below when you are done with each exercise

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Exercise | 1 | 2 | 3 | 4 |
| Done? |  |  |  |  |

Evaluate each of the following expressions:

Exercise 1:

1. 2\*5+2
2. 2+2\*5
3. (2+2)\*5
4. 2^2\*5
5. 2+4\*3-4
6. 1---5
7. 2+-5/-5
8. 2-+5+-2
9. 2\*-5^-2
10. (2+2\*)5

Exercise 2:

1. 3+[1 2 3]
2. 3/[1 2 3]
3. 3./[1 2 3]
4. [1 2 3].\*[2 3 4]
5. [1 2 3].\*[2;3;4]
6. [1 2 3]\*[2;3;4]
7. [1 2 3]\*[2 3 4]
8. [1 2 3]+[2;3;4]

Exercise 3:

1. [2 3 4]<=[3 3 5]
2. 5>3\*2
3. 5\*3>2
4. 6+3 ~= 3^2
5. 2+5>4:7
6. 5<3<1
7. [2 3 4]>=[3;3;4;5]
8. 3^4>1
9. pi>3.4159

Exercise 4 (note that | and || are subtly different, as are & and &&)

take lat=5:-1:1; z=[2.1 2.2 2.3 NaN 2.5];

1. lat>2.5 & lat<3.2
2. lat<2.5 & lat>4.2
3. lat<1.5 | lat>4.2
4. z(round(lat)==3)
5. find(lat<2)
6. ~isfinite(z)
7. z(isfinite(z))
8. ii = lat<=4 & lat>=2; z(~ii)
9. z(1)\*3-6.3