Emphasize that this will be a quick intro. We'll come back to this stuff again in more detail starting next time.
Walk them through Graphics file installation.
There should be a link on today's details page.

```
IDLE 1.2.1
>>> # Transcript for Catapult first session (point out the comment)
>>> 3 + 4
7
>>> 3 + 4 * 2  # Note that the answer is NOT 14.
```

Note the operator precedence

```
11
>>> 8 / 5  Explain that integer division gives us an integer.
1
>>> 8.0 / 5.0
1.6000000000000001  Why is the 1 at the end?
>>> width = 4
>>> height = 5
>>> width
4
>>> width, height
(4, 5)
>>> width = width + 2
>>> width
6
```

Mention case-sensitivity variable names and everything else in Python:

```
>>> Width # Width is not the same as width

Traceback (most recent call last):
  File "<pyshell#0>", line 1, in <module>
    Width
NameError: name 'Width' is not defined
>>> triangleArea = width * height / 2
>>> triangleArea
15
>>> def rectArea(height, width):
      return height*width
```

The above defines the rectArea function; now we call it.

```
>>> rectArea(6, 8)
48
```

What about built-in functions?

```
>>> abs(-7)
7
>>> sin(pi/3) # not everything is built in
Traceback (most recent call last):
  File "<pyshell#17>", line 1, in <module>
    sin(pi/2)
NameError: name 'sin' is not defined
>>> math.sin(math.pi)
Traceback (most recent call last):
  File "<pyshell#24>", line 1, in <module>
    math.sin(math.pi)
NameError: name 'math' is not defined
>>> import math
>>> math.sin(math.pi)
1.2246063538223773e-016
>>> from math import sin, pi
>>> sin(pi/2)
```

```
1.0
>>> from math import *
>>> sqrt(2)
0.8660254037844386
>>> (3 + 2j)*(2 -4j) # complex numbers!
(14-8j)


>>> #find out the names of the items imported from a module

>>> dir(math)

['__doc__', '__name__', 'acos', 'asin', 'atan', 'atan2', 'ceil', 'cos', 'cosh',
'degrees', 'e', 'exp', 'fabs', 'floor', 'fmod', 'frexp', 'hypot', 'ldexp', 'log',
'log10', 'modf', 'pi', 'pow', 'radians', 'sin', 'sinh', 'sqrt', 'tan', 'tanh']
```