Announcements
- Should have all quizzes.
- HW due tomorrow.
- Review Friday & test in 1 week.
Quiz Recap

Quiz 5, #2

**hello (4):**  →  \( x = 4 \)

Hello!

\(*\)

**Hola!**

Adsios!

**Hola!**

Adsios!

**Hola!**

Goodbye!
Classes

- Wrote a simple point class.

-Syntax:

class ClassName:

    # constructor
    def __init__(self, input1):

    def otherFunction(self, ...):


A tip

The option `-i` opens python interpreter after running our code.

Ex: `python -i SimplePoint.py`

(Then can load or use point class more quickly.)
Today

Work day on HW4
Adding to Point class

- Method `scale`
  Given an int or float, multiply `x` and `y` by that amount

- Method `distance`
  Compute distance between 2 points.
Writing `print` for our class
`print` casts things to strings.
Write a function to cast it to string.

```python
def __str__(self):
    [
    [
    How should we output a point?
Operator overloading

Both \texttt{-\textit{init}}- and \texttt{\_\_\_\_\_\_\-} \texttt{str\_\_\_\_\_\_} are examples of operator overloading.

We are taking an existing function and tailoring it to our class.

\texttt{pt + p2}: \texttt{---add---}