# Graphics and Animation: Parameters in Python

print() unit 3

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print

### Yython Grammar

- Almost every instruction is a verb.
- This verb is almost always followed by a set of parentheses.
- When required, extra information the verb needs is typed between the parentheses.

i.e., an "input"

Mef: a parameter is the means "in other vords" lical term for the extra bit of information that a Python verb might require.

Grammar Fact: When multiple parameters are required, they are separated from each other with commas.

means "for example"

e.g., goto (20,50);

## Drawing Circles:

- Python verb: circle
- Parameter(s) required? yes
   —the radius of the circle
- example complete Python instruction:
- bob.circle (40);

Also called the "diameter"

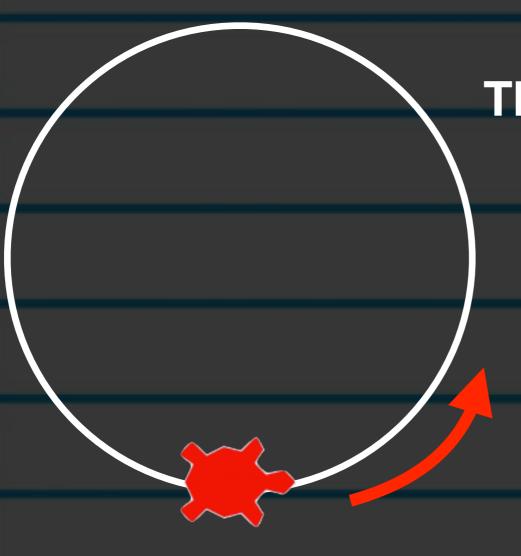


The width of the circle is not the size!

The radius of the circle Is what we use to define the size!

The radius is half the width.

Fact: The circle is drawn upwards from wherever the turtle is currently positioned.



The circle is starts and ends at the bottom.

Make sure to move the turtle to the bottom before drawing the circle!