Variables

Professor Doug Blank
cs.brynmawr.edu/~dblank
dblank@cs.brynmawr.edu

Why use variables?

- Abstracts away gory details
  temperature = 9.0/5.0 * celsius + freezeTemp

- Allows you to set it once, use many times
  x = 3465346.22435
  y = x / 6
  z = x * x + y

- Allows you to name particular values so you know what they mean

Four ways to create Variables

- Assignment
  x = "Hello"

- Define a function name
  def sayName():
      speak("Hello")

- Define a function, inside parentheses
  def doSomething(thing1, thing2):
      speak(thing1)
      beep(1, thing2)

- Use a for-loop

Variables inside the Parens

Define a function, inside parentheses:

```
def doSomething(thing1, thing2):
    speak(thing1)
    beep(1, thing2)
```

Call it:

```
doSomething("I'm sorry, Dave, I can't do that.", 400)
```

Variables inside the Parens

Define a function, inside parentheses:

parameters

def doSomething(thing1, thing2):
    speak(thing1)
    beep(1, thing2)

arguments

Call it:

doSomething("I'm sorry, Dave, I can't do that.", 400)