

# Function Definitions

- ◆ Two important statements: `def` and `return`.

```
def name(params):  
    body  
    return expression
```

- ◆ The **def** defines a domain via the parameters
- ◆ The optional body can do stuff
- ◆ The (optional) **return** defines the range with an expression



# Example Definition

```
def odd(n):  
    """True if n is odd."""  
    return n % 2 == 1
```

- ◆ Domain:  $n$  something number-like
- ◆ Range: boolean value, True if  $n$  is odd
- ◆ `"""Docstring"""` with summary
- ◆ Sometimes the docstring has doctest cases, too