

Lambdas

- ◆ A Lambda is an anonymous function.
 - ◆ No name.
- ◆ Also. A lambda has a single-expression body.
 - ◆ No statements.
- ◆ Looks like this: **lambda** params: expression
lambda r: 0.7724*r**1.0134

Using a Lambda with map

- ◆ Two equivalent results:

```
map(eng2, tach)
```

```
map(lambda r: 0.7724*r**1.0134, tach)
```

- ◆ Used like this:

```
>>> tach = range(1100, 3500, 200)
```

```
>>> list(map(lambda r: 0.7724*r**1.0134, tach))
```

```
[933.2319788474695, 1105.3821783375965, 1277.8890449104067,  
1450.7053144667843, 1623.7948673573321, 1797.1291903589386,  
1970.6851959771182, 2144.4438041503813, 2318.3889795000246,  
2492.5070545946824, 2666.786240237934, 2841.216262277051]
```