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## Exercise: fourth power

### Exercise: fourth power

5.0/5.0 points (graded)

**ESTIMATED TIME TO COMPLETE: 2 minutes**

Write a Python function, `fourthPower`, that takes in one number and returns that value raised to the fourth power.

You should use the `square` procedure that you defined in an earlier exercise (you don't need to redefine `square` in this box; when you call `square`, the grader will use our definition).

This function takes in one number and returns one number.

```
1 def fourthPower(x):
2     '''
3     x: int or float.
4     '''
5     # Your code here
6     return square(x) * square(x)
7
```

Press ESC then TAB or click outside of the code editor to exit



Correta

```
def fourthPower(x):  
    ...  
    x: int or float.  
    ...  
    return square(square(x))
```

## Test results

Hide output

**CORRECT**

Test: fourthPower(-6.33)

**Output:**

1605.5167

Test: fourthPower(-3.79)

**Output:**

206.3274

Test: fourthPower(-7.73)

**Output:**

3570.4091

Test: fourthPower(2.57)

**Output:**



43.6247

Test: fourthPower(-8.43)

Output:

5050.2200

Hide output

Enviar

 Answers are displayed within the problem

# Exercise: fourth power








Ocultar discussão





Topic: Lecture 4 / Exercise: fourth power

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-  Why would I use this particular method over x\*\*4? 2  
Hello all. Perhaps you can enlighten me on this, why would I use this method of raising something to...
-  SPOILER 3  
I defined x within my function to be: square(x) \* square(x) and then asked my function to simply retu...
-  Pretty confused on this exercise 8  
Perhaps should mention this exercise refers to the "Exercise: square"
-  Instructions for exercrise are poor 5  
There needs to be clearer instructions here as to what is being asked. My definition the first time wa...
-  Why "return square(x\*x)" is incorrect? Please help 3  
Why "return square(x\*x)" is incorrect? But "return square(x) \* square(x)" is correct. Please help
-  NameError: name 'square' is not defined 2  
Hm, I had the valid answer but kept getting this NameError - am I doing something incorrectly, or jus...
-  My answer is exactly the same as the given answer, but the grader says it's incorrect (spoiler?)  
I tried some other sillier ways like: n1 = square(x) n2 = square(n1) return n2 it didn't work either

	<u>Instructions were a little unclear here</u> I kept trying to call the function in the code and got my question wrong many times as the instructio...	2
	<u>Problem with grader again</u> I have submitted my answer calling square() twice in the fourthPower method and it is coming back...	11
	<u>How do I get the variable to be either integer or float?</u> I'm able to get something to work and return a 4th power in the IDE. However, I keep getting the out...	3
	<u>Grader keeps running but I get the green check mark for the exercise.</u> The Grader still keeps running after I tried all the recommended steps (clear cache, open/close brow...	16

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