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Exercise 6

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Exercise 6
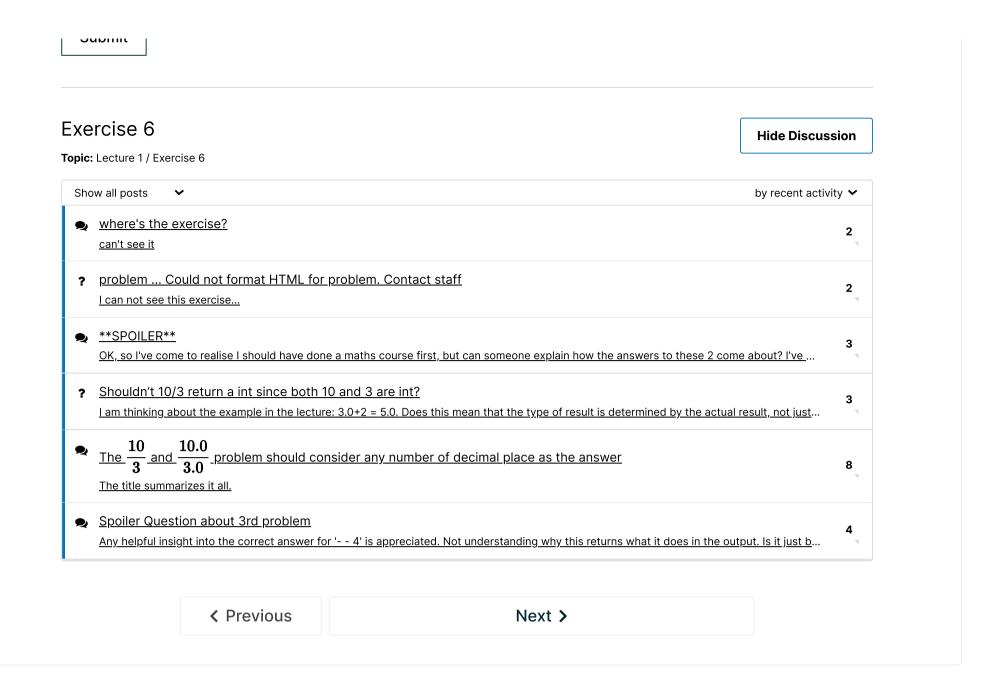
10/10 points (graded)
ESTIMATED TIME TO COMPLETE: 5 minutes
Note that you will have to answer all questions before you can click the Check button.

For each of the following expressions, indicate the value returned, or if the evaluation would lead to an error, write the word 'error' (note this is a word, not a string, no quotes). While you could simply type these expressions into an IDE, we encourage you to answer them directly since this will help reinforce your understanding of basic Python expressions.

For decimal answers, give the full result, or four decimal places of accuracy (whichever is shortest).

Floating point errors

- `6 + 12 -3`

  15 ✔

- `2 * 3.0`

  6.0 ✔

- `- - 4`

  4 ✔

- `10/3`

  3.3333 ✔

- `10.0/3.0`

  3.3333 ✔

- `(2 + 3) * 4`

  20 ✔

- `2 + 3 * 4`

  14 ✔

- `2**3 + 1`

  9 ✔

- `2.1 ** 2.0`

  4.41 ✔

- `2.2 * 3.0`

  6.6 ✔

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Exercise 6

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💬 **where's the exercise?**   2
   can't see it

? **problem ... Could not format HTML for problem. Contact staff**   2
   I can not see this exercise...

💬 ****SPOILER****   3
   OK, so I've come to realise I should have done a maths course first, but can someone explain how the answers to these 2 come about? I've ...

? **Shouldn't 10/3 return a int since both 10 and 3 are int?**   3
   I am thinking about the example in the lecture: 3.0+2 = 5.0. Does this mean that the type of result is determined by the actual result, not just...

💬 **The $\dfrac{10}{3}$ and $\dfrac{10.0}{3.0}$ problem should consider any number of decimal place as the answer**   8
   The title summarizes it all.

💬 **Spoiler Question about 3rd problem**   4
   Any helpful insight into the correct answer for '- - 4' is appreciated. Not understanding why this returns what it does in the output. Is it just b...

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