Lab01

Solutions, compiled by Ethan

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1 Task 2

```
[1]: 2 + 2
```

[1]: 4

2 Task 3

[2]: 2 plus 2

```
Cell In[2], line 1
2 plus 2
SyntaxError: invalid syntax
```

3 Task 4

```
[3]: (2 + 3) / (4 + 5 ** 6)
```

[3]: 0.0003199181009661527

[4]: 838839550121163601921

4 Task 5

[5]: sin(1)

```
NameError Traceback (most recent call last)
Cell In[5], line 1
----> 1 sin(1)
```

```
NameError: name 'sin' is not defined
 [6]: from math import *
 [7]: sin(1) # computes sin(1)
 [7]: 0.8414709848078965
        Task 6
     5
 [8]: my_variable = 5
      print(My_variable)
                                                 Traceback (most recent call last)
      NameError
      Cell In[8], line 2
            1 my_variable = 5
      ----> 2 print(My_variable)
      NameError: name 'My_variable' is not defined
     6 Task 8
[9]: type(1)
 [9]: int
[10]: type(1.1)
[10]: float
[11]: type("hello")
[11]: str
        Task 9
[12]: course = "PSTAT 5A"
      num_sections = 4
      section\_capacity = 25
[13]: num_sections = num_sections + 1
```