

## 201645084\_3\_Q\_노영훈

1번, 2-(1),(2),(3) 문제.



1.  $10!(2^{100}+7)+1/(e+\pi+5)$ 의 6자리 근삿값을 구하여라

```
In [1]: ((factorial(10)*(2^100+7)+1)/(e+pi+5).simplify()).n(digits=6)
Out[1]: 4.23582e35
```

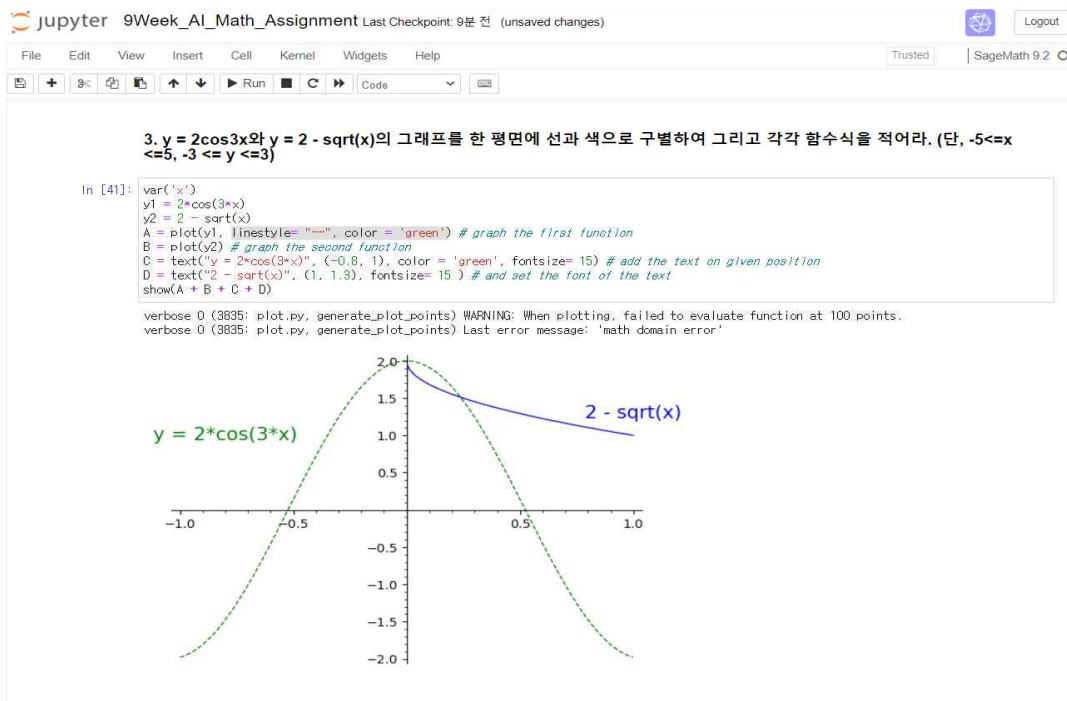
2.  $y = (x+1)\cos(x+a)$ 에 대하여

```
In [2]: # (1) a = -x
a = -x
y = (x+1)*cos(x+a)
print(y)
x + 1
```

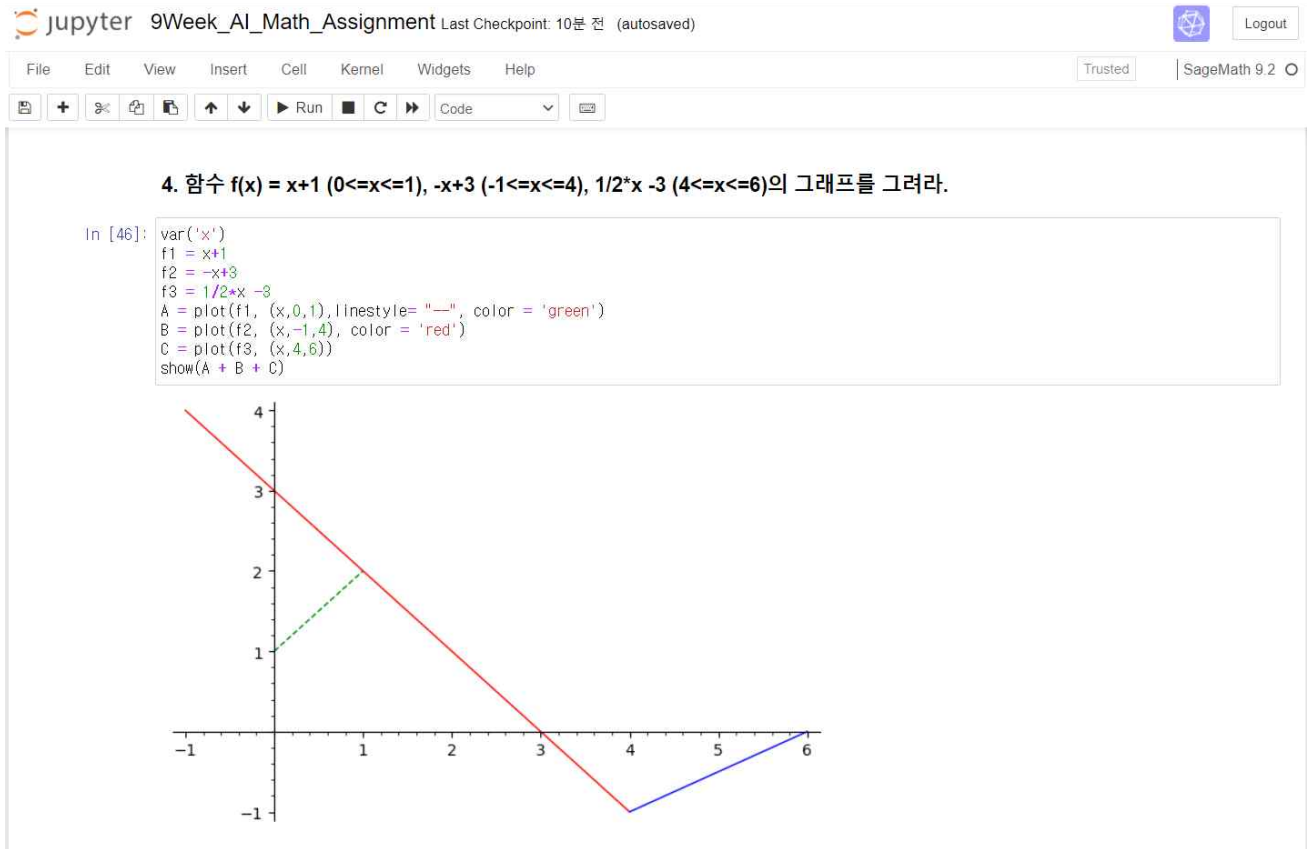
```
In [3]: # (2) x = pi/2, a = pi/3
x = pi/2
a = pi/3
y = (x+1)*cos(x+a)
print(y)
-1/4*sqrt(3)*(pi + 2)
```

```
In [4]: # (3) x = 0.5, a = 2.3
x = 0.5
a = 2.3
y = (x+1)*cos(x+a)
print(y)
-1.41333351100299
```

3번 문제.



#### 4번 문제.



#### 5번 문제.

