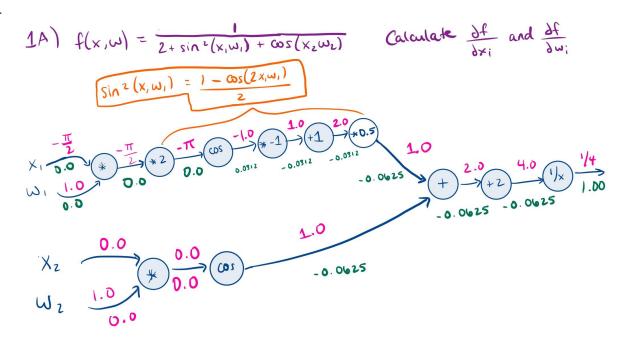
HW 2 Aniga Rahim

Problem 1:

A.



B. See hw2 1.py in .zip file.

```
(dl) PS C:\Users\rahim\Documents\Code\DeepLearning> & conda run -n dl
--no-capture-output --live-stream python c:/Users/rahim/Documents/Code
/DeepLearning/HW2/hw2_1.py
x1 Backprop Result: tensor([-5.4639e-09])
w1 Backprop Result: tensor([8.5827e-09])
x2 Backprop Result: tensor([0.])
w2 Backprop Result: tensor([0.])
(dl) PS C:\Users\rahim\Documents\Code\DeepLearning> [
```

(Final values in the code are slightly off because of pi approximation)
If you want to see more gradients, you can print the .grad of each variable.

Problem 2:

A.

B. See hw2_2.py in .zip file.

If you want to see more gradients, you can print the .grad of each variable.