Name: HW 26 - Due: 4/11

## Problem 1

Find the area bounded by the two functions  $y = x^2 + 1$  and y = 2.

## Problem 2

Find the area between  $y = \sin(x)$  and  $y = \cos(x)$  on the interval  $[0, \pi]$ 

## Problem 3

Let  $y = \sqrt{x+1} + 2$ , y = 3 - x, y = 0 and x = -1. Find the area of the region bounded by these functions by **integrating with respect to** y.