Homework 14

Name:

Date: June 22, 2015

P 1. Find the area of the region bounded by the graphs of $f(x) = \sin(2\pi x)$ and $g(x) = \cos(\pi x)$ on $[0, 1/2]$

P 2. Find the area of the region bounded by the graphs of

$$f(y) = \frac{y}{\sqrt{16 - y^2}}, \quad g(y) = 0, \text{ and } y = 3.$$