

# Homework 10

Name:

Date: June 15, 2015

**P 1.** Find

$$\int \sin x + 3 \cos x - \frac{23}{x^2 + 1} - \frac{5x^2 + 3x + 1}{\sqrt[5]{x^2}} dx$$

**P 2.** Using summation formulas, find the area of the region bounded by the graph of  $y = x^2 + 2$  on the interval  $[0, 1]$ .