

Name _____

Homework 22
Section 6.2

1. (5) Determine $\int (x^2 + 5)^2 dx$

2. (5) Compute $\int_1^2 \left(\frac{6t^2 + 4t}{2t} \right) dt$

3. (4) Determine $\int \left(\frac{1}{x} - \sqrt{x} \right) dx$

4. (6) Determine the exact area of the shaded region shown below.

