Math 1211: Recitation #6 **Winter 2014**

Name:	**A#:**	**Section:**

1. $\displaystyle\int \frac{4x^2 - 5x + 11}{(x^2 - 1)(x^2 + 4)}\, dx$

2. Find the length of segment of the curve $y = \ln(\cos(x))$ between $x = 0$ and $x = \dfrac{\pi}{4}$.

3. Find the surface area of the solid obtained by revolving the segment of $y = \sqrt{x}$ between $x = 0$ and $x = 2$ about the x-axis.