Problem Set 4   **Calculus 3**   **Due 11/21/14**

You are encouraged to work in groups of two to four on this assignment and make a single group submission. Each problem is worth 5 points for correct and clearly justified answers.

1. Evaluate $\int_{C_1} Q\,dy$, $\int_{C_2} Q\,dy$, $\int_{C_3} Q\,dy$, and $\int_{C_4} Q\,dy$, and $\iint_D \frac{\partial Q}{\partial x}\,dA$ for the region from class.

2. Do #58 in §14.6.

3. Do #70 in §14.6.