

This week on the problem set you will get practice applying and understanding Green's theorem and Stokes' theorem.

\*Numbers in parentheses indicate the question has been taken from the textbook:

J. Rogawski, C. Adams, *Calculus, Multivariable*, 3<sup>rd</sup> Ed., W. H. Freeman & Company,

and refer to the section and question number in the textbook.

1. (Section 18.1) 3, 5, 6, 7, 10, 15, 16, 17, 19, 21, 25, 32\*, 37, 41.
2. (Section 18.2) 5, 8, 9, 16, 17.

\*The questions marked with an asterisk are more difficult or are of a form that would not appear on an exam. Nonetheless they are worth thinking about as they often test understanding at a deeper conceptual level.