

Math 18 fall 2010
Homework Set #11
due Thursday December 2, 2010 at noon

Topics covered: Green's Theorem, surface integrals of a scalar function (surface mass or area), surface integrals of a vector field (flux)

Suggested reading¹: Sections 15.4-6

Problems:

Sections	15.4	15.5	15.6
Problem no.	2,5,18,21,30	3,14,20,28,37	2,9,14,21,24,29

¹All problems and readings are from H.Anton, I.Bivens and S.Davis, Calculus Multivariable, 9 edition