Assignment

For the assignment, read 17.2 up to example 3.

- p. 1025 1, 7, 8, 9

Take-aways

After reading this section, attending this class and doing this homework you should

- be able to compute the curl of a vector field
- know the statement of Stokes's theorem
- understand how it is a generalization of Green's theorem (in particular, you should know how to use Stokes's theorem to prove Green's theorem), and understand why it's true when the vector field is conservative
- be able to verify Stokes's theorem given a surface and a vector field.