

ASSIGNMENT

For the assignment, read 16.3, up to Theorem 3.

- p. 973 3, 5, 13, 15

TAKE-AWAYS

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

- understand what a potential function is
- understand what it means for a vector field to be conservative (i.e., have a potential function; i.e., be path independent)
- know the fundamental theorem of conservative vector fields
- know how to use the fundamental theorem to compute line integrals