

Integration Techniques/Taylor's Formula

Pset 9

Due November 12 (24 points total)

- (1) Page 267: 15, 20 (2 points each)
- (2) Page 269:12
- (3) Page 269:16
- (4) Page 284:1,2 (2 points each)
- (5) Page 291:15, 16 (2 points each)
- (6) Notes O.12:7, 10 (2 points each)

Bonus: Give an example of an infinitely differentiable function f that is not identically zero and such that $T_n f(x) \equiv 0$ for any n , where $T_n f$ is the n -th order Taylor polynomial centered at $x = 0$.

MIT OpenCourseWare
<http://ocw.mit.edu>

18.014 Calculus with Theory
Fall 2010

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.