
MATH 009C - Summer 2018

Practice Final Answers

1. (a) Convergent to 0.
(b) Convergent to e^4 .
2. (a) Divergent
(b) Convergent
3. Convergent
4. Divergent
5. (a) Divergent
(b) Divergent
6. Divergent
7. $R = 1, (1, 3]$
8. $T_3(x) = 1 + 2x + 2x^2 + \frac{4}{3}x^3$
9. (a) $C + \sum_{n=0}^{\infty} (-1)^n \frac{x^{4n+3}}{(4n+3)(2n+1)}$
(b) $\sum_{n=0}^{\infty} (-1)^n \frac{x^{2n+1}}{2n+3}$