
MATH 1 LECTURE 26 EXERCISES

WEDNESDAY 11-09-16

(1) For the following assume $a = 0$ and find $T_3(x)$:

(a) $f(x) = \frac{1}{1-x}$

(b) $f(x) = e^x$

(c) $f(x) = \ln(1+x)$

(d) $f(x) = xe^x$

(2) Find $T_4(x)$ for the following:

(a) $f(x) = x^5 + 2x^3 + x$, $a = 2$

(b) $f(x) = e^{2x}$, $a = 3$

(c) $f(x) = \sin(x)$, $a = \pi$

(d) $f(x) = \sqrt{x}$, $a = 16$