

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Find the Taylor series for the function $f(x) = \sqrt{1+x}$ at $a = 3$.

Exercise 2 (5 points)

Find the coefficient of x^3 in the MacLaurin series of the function $f(x) = e^x \sin x$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5points)

Find the Taylor series for the function $f(x) = \sqrt{2+x}$ at $a = 2$.

Exercise 1 (5 points)

Find the coefficient of x^3 in the MacLaurin series of the function $f(x) = e^x \cos x$