$KFUPM-Department of Mathematics and Statistics-Term 151\\ \textbf{MATH 102}\\ \textbf{QUIZ6 \# Code 1} \ (Duration=20 \ minutes)$

NAME:	ID:	Section:
Exercise 1 (5 points)		
Find the Taylor series for the function $f(x) = \frac{1}{2}$	$\sqrt{1+x}$ at $a=3$.	

Exercise 2 (5points)

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

KFUPM – Department of Mathematics and Statistics – Term 151 MATH 102 QUIZ # 6 Code 2 (Duration = 20 minutes)

NAME:	ID:	Section:
Exercise 1 (5points)		
Find the Taylor series for the function	$f(x) = \sqrt{2+x} \text{ at } a = 2.$	
Exercise 1 (5 points)		
Find the coefficient of x^3 in the MacL	aurin series of the function $f(x) =$	$= e^x \cos x$