MAT 162 Exam #4 Part B



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Name _____

5. Taylor Series Expansions. (6 pts) Find the Taylor series	ExtraSpace
expansions of the following using known series.	
a. $f(x) = e^{2x}$ about $a = 1$.	
b. $f(x) = x^2 \cos x$ about $a = 0$.	
(Dinomial Expansion ((etc)	
6. Dinomial Expansion. (6 pts)	
a. In the expansion $(3x+2y)^7$ what is the numerical coefficient	
of $x^5 y^2$?	
b. Expand $\sqrt[3]{1+x^2}$ to four terms.	