Assignment: Homework Four Name: Cody Strange Disclaimer: This is my work, not that of others Total Score: 30 (in points, not percentage)

Problem 1 score: 5 Problem 2 score: 5 Problem 3 score: 5 Problem 4 score: 5 Problem 5 score: 5 Problem 6 score: 5

$$f(x) = (05C_{1}x)$$

$$f'(x) = -5sin(sx)$$

$$f'(x) = -2s(0)(sx)$$

$$f(0) = (0s(0) = 1)$$

$$f'(0) = -2s(0) = -25$$

$$f''(0) = -2s(0) = -25$$

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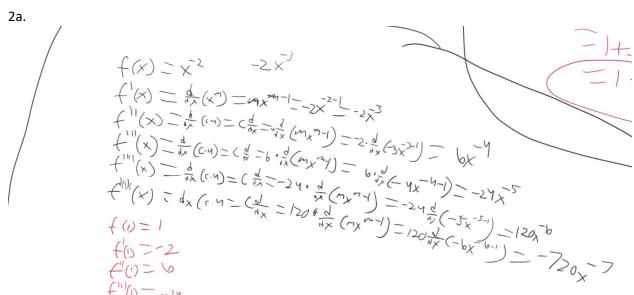
1-(25x/2)x2

$$f(x) = \frac{1}{x+1}$$

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$$f($$

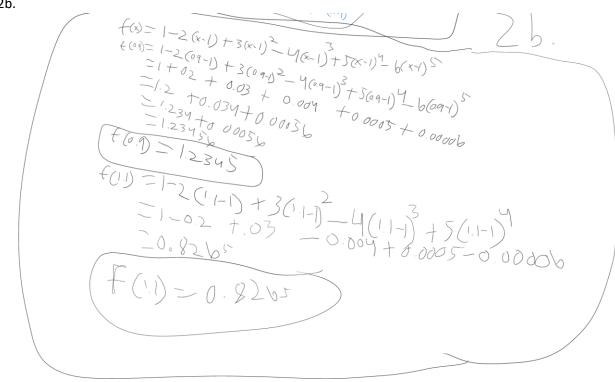
 $1-x+x^2$



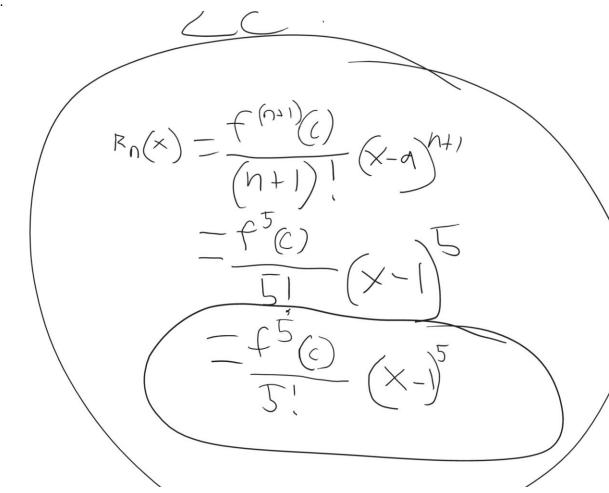
$$f(0) = 1$$
 $f(0) = -2$
 $f''(0) = -2$
 $f'''(0) = -2$
 $f'''(0) = -72$

$$f(x) = f(0) + f(0)x + f(0) +$$

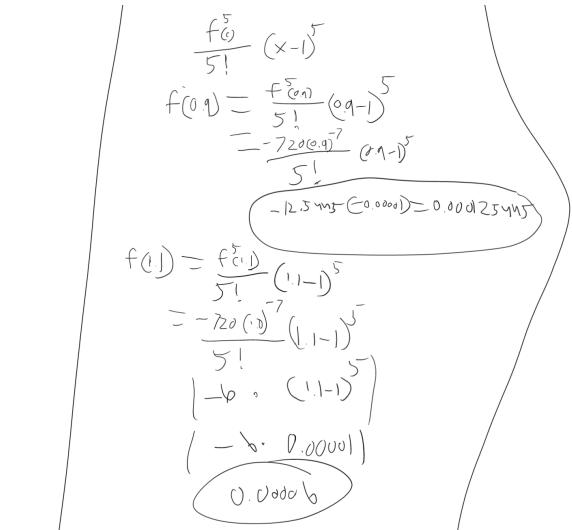
 $1-2(x-1)+3(x-1)^2-4(x-1)^3+5(x-1)^4$



F(0.9) = 1.2345 F(1.1) = 0.8265



(F⁵(c)/5!)(x-1)⁵



F(0.9) = 0.000125445F(1.1) = 0.00006