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Question 9

The average value of \$ f(x)= x1+x+1 at [0,6] in

targ = 10 = So (x +x+1)dx , note that we tan safely assume that

$$= \frac{x^3}{3} + \frac{x^2}{2} + x \bigg|_{0}^{x}$$

 $= \left(\frac{b^3}{3} + \frac{b^2}{2} + b\right) - 0$ 

10 = 6 +1

6 [0 = 1 3 6 + 1 1 A - 9]

0=26+36-54

15 = 9 , -6

b = -4 is an entoneous solution

b= 9/2