4) Express the base 10 # 420 as a signed binary number. How many bits are required to do so? 420/2 = 210 210/2 = 105 01/0/00/00 7 200 positive 105/2 = 52.5 lobits 52/2 = 26 26/2 = 13 13/2 = 6,5 4/2 = 3 3/2 = 1.3 112 = 6.5 2) Evaluate at X = 0.423 using 3-digit anithmetic w/ chopping 5(0.423) $(1-2(0.078))^2$ $(0.644)^2$ 0.414F(0.423) = 5.09 fine (0.423) = 5.12918 orror = frue - fehopped = 0.03918 6) $5(0.423)^{2}$ $(1-2(0.1789))^{2}$ $(1-2(0.1789))^{2}$ (0.4124) = 5.116 error = fine - fchopped = 0.01342