1. absolu 15 global, locali is within an informal. 2. Extene value thoram, find f'Ca = Oor DNE, tur he cliged only interni nethil 3. Cr. local maximal to local min c. noths 2 noty r. 9hbl min 5. 9hbal my 4. a. Alghon ma b. DNE C. Pre r. globn my. s. local m 5- global max=5, local min 2,3 global min DNZ local max DIVE 6. global my DNE local mr, 4,3
global min: 1 local man, PME

44-4

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47. Y-4-2x endpoints: (10), (5) 212 27 1000014: X=2 F(2)= 16 11 11 11 11 min: 7 max 6 THAT LOS INGAMENT The logit is not type! 489. 6(x+1)(x-2) (crit = 1, 2011) \$1.5) 12=0 f(-2),f(-1), f(2),f(3) -2 7-19-8 min=-19 mx=21,-3,2 xf(0)f(1),f(2),f(4) min= 2 my= 45,2 54 $\frac{\chi^2 - \chi + 1 - (2\chi - 1)(\chi)}{(\chi^2 - \chi + 1)^2}$ f(D), f(B), f(B) min=D

55 f(x)= x54-x Of rough una 56.3F(8-+) 60, must (3) my (2) $\frac{3^{\frac{2}{3}}(9-1)-5}{+\frac{2}{3}}$ In (x2 +x+1) Zcos + + sin + +2×41 X2 +x+1 -1 + 5/2+14 -2005in + \$ cos + f(.5) f (5-1) f(2), f(0), f(2) f(i) min=D mmps2

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