Functions: MATH180 - REC NOTES JAIME SAENZ Rule: Take a number and subtract 7 WED, AUGUST 21, 2024 S(x)= x-7 S(s)=5-7=-4 Pute: Take the Square of a number, addl. Not all functions work with 5 (x) · x2+1 \$(3):32+1=10 all numbers 51-57--52+1 -10 5(x)=x2+1 Rule: Take 154 (not afunction because no S(x)-dependent variable x-independent voriable Aute: Tube a number and assign to 44 (function) WX:44 Gruphs you see Connot Divide by zero 9(x)= 1 - x-1:0 (-0,1) U(1,00) or IR- {1} not a function interval notation Not all functions work with every number Rule: Take of a number S(x)=1x (cont have negative domain as a function) Numbers that work are culted the domain Can have multiple functions that combine one 4 for Ruc: Sex: 六十六 T.: *T 4- axis = range Danie: [0,1) U(1,00) x= +1 x-axis = domain R, - {1} It asked to deeply a graffy with greater than an equesion, solve to plot points. Fire olscall. S(x)=x2+1 9(5(x)) = 1x2+1 + (x41)2-1 Fire Stal. S(3)= 32+1=10 SW= 1x+1 Domen: (-1,00) 9 x+1 70 g(2)= 4x + x=1 x2-1 Runge: (0,00) Find g(4). It on assigned value class مرساءيلاء الماتاء not tak on the graph. =2+ 1 the answer is 'undefined'.