Recall: FEAxB is a Junicion of YacA 316 (a, b) EF
while ca,b) 6f, write Fca) = b.
Some Junctions are defined by "subs".
2x: A=Z, B={1,2,3}.
Rule: For xct.
1 1 it x is even
} i} x is even } (2 i} x = }
3 27 x 25 odd and x 43.
thes define 7 6 2×13.
g: R→ R g(x) = x2+3.
$h: \frac{7}{7} \rightarrow R h(x) = x^2 + \frac{3}{7}$
Theorm 5.1.4. For 7, f, A->B:7 VacA 7ca,=gca) 7=f.
pf sketchi let (a,b) (A x 13.
cn, 6, 6, 2, 7, 7 cm=6
277 f(a) = b
77 cm,6)6 g 17.
En: 7, 1: {0,1,2} -> R
7(7)=74742
f(x) = 2x+1
8
$(\frac{1}{2}\omega)=2$
7 cm =4 fcm =4
7(2) = 8 (2) = 8
€0 7= f.
Composition
Than \$.1.5: if A-> B and g: B+C then g.7 is a Fanceron
broof;