Last w3M1 Ann: Wik: 2 today (30 min) - wiki 3 Friday Preview: 1) Is x2 ty =4 a func of χ^{2} y^{2} 2) find $f(\chi^{2}-4)$ if $f(y)=y^{2}+2$ 3) Evaluety (f/g)(-3) where $f(x) = x^7 + 2$ 4) find f (£13) 5) is \(\(\((1, 2), (3, 2), (1, 3) \) \(\tau \) \((ontent: M3. d1 M3. d2 Defn: - A velation

Ris a set of ordereded Pairs: {(x,y) | x < X, y < Y } - A function is avelation such that for each XEX, thu is one and only one y Such that (x/y) ER. non-ex) {(1,2), (1,4), (5,4)3 1-72 Bad non-ex) let R be pints on Note (1, some pos) and (1, somenes) are in Ry So not a funct-Notation:

name domain

Codomain

CiA > B ex) fill > Q 3 (ommin on white barrd) 21-> 2/2 also ex) let g: R7R morg(v)= v2+2 - Commin writing

Note the image (or vange) of A: A>B is Efcal: a EA3, ie the values f May acheive in B.

Goto M3.d1