03.10.23 SEMINARA 132 1. Determinati multomea A = { a ∈ Z : 3a-3 ∈ Z} INTOTICAUNT demonstrates quite la a doud multiphi so face pin DUBLA INCLUDIUNE !! St: Fre a E A. Atmicí a 62 4 30-3 EE (1) (1) =) 3a+45 EZ (=) 3a-3 + 48 EZ
3a-3 + 3a-3 = EZ (=) a+1 + 18 e = (0 + = 48 e = (-) 16 - 62 00 0-1116 00 Q E \{-15, -7, -3, -1, 0, 2, 3, 5, 9, 173 \square 2 Pani air au vatal Comme and + c3-17-31

F1/13+ 17 = 3 (-16) = -2 ES (den, -12 EX) Colstender Arch $(-3)^{2}+15=\frac{24}{3\cdot(-3)-3}=-3\cdot4=-2+25$ deci' -3EA Am revifed 3.0-3 2-5EZ deci OEA. 2-0 moleys 32-15 2 24 # 4 & 3 de 4 3 F A we / 9715 = 96 = 462, de u' 9 = A Ca urniau A= 3-15,-3, 0,3,93 a 2. Déterment multipues Sol: Fre aRR.

Aturei

ach (-) (Frenz a= 2443 + 4442)

RZHXHZAO (Jt foll ax Faxt & = 2x+3) (=) (30ED) ax2+(a-26 +2a-3=0) (a-2)2-4a(20-3) 70 (+3) -4a2+8a+4>0 (+1) 7a2-8A-46060 at- 4-2/11 4+2511

3

Aratett ca pentin on ce Imai multipuil A & B are loc relation AI (AIB) = ANB

Leur: Fie a multiplue E core contième + 4 B.

Fre * EE.

Athma AE AI (AIB) @

TEAN XX AIB (=)

AEAN T(XEA1B) (=)

TEAN MIXEANXORS) - (1)

autonu tatelli; (1) (=) (xCA 1 XCB) (=) XCA0B Or urmone, AICA(B) = A0B

4. Feterminate fundate f: R-IR X x Ear 3 f(x) - 5 f(2-x) = 4x+1 4'. Determinate fruidiche f! R+->R, on major Atin East tions - toxiting) - toxiting) - toxiting) = 3 Se 4 Frempiwen Fremprusem cà exista fruitst f ca the emit, fre f ma du ali Pre x ear. of relative dole fen; = fen; - fexifix) +fix) = = = x, dea' ferrelx. Fultion Hor. - 11. No + Nos = 1 + 1 = 1+0 = 1+10 Ca urmane, un existe fun der cu foregre din emmit

(1) manualou for a likely Histoire et Epintemologie des Mathematiques (Ed.), Le

[Biogolie, N. (1989). Prouver, ansener alevidence on controler des implications?. In

