Vendudi 2 Ferrier 2024 Low TO # 9: Arithmeteger Questión 21: 4° - 4° = 0 € 53 $4^{9} = 1053$ can 4 = -10534° × 4 = 1 × 4 [5] => 93 = 4 [5] $a_{1} = 4^{3} = 5^{3$ Questión 34: 185 0+ 401v = 1 => 185 ^ 401. 401 = 2 × 185 + 31 ainsi: 1=31-30 185 = 5 x 31 + 30 ~7 1= 31 - (185-5×31)

 $30 = 30 \times 1 + 0 / 1 = -1 \times 185 + 6 \times 31$

1=31-185+5x31

31 = 1,30 +1

1 = 1x1 + 0 1 - -1 x185 + 6 x (401 - 2 x185) 1 = -1 x 185 + 6 x 401 - 12 x 185 1 = 6 × 401 - 13 × 185 Banus: Transé Tontes le rolition: L> 1) Trave une solution particulière, premont c = 5 par exempe an a: 185 x - 13 + 6 x 401 = 1 Lo 5 (185 x - 13 + 6 x 401) = 5 x 1 Ly 185x-65 + 30x401=5 2) Toute le role: Solution de 0, v dans 1850 + 401/= 1 S, = Ef-13 + 185 K, 6 - 401K), K & ZZ3 5 = 2-65+185K, 30-401K), KeZ3

Question 37: 3737 - alok ablabel danc 3737 mm-pennie Question 39: 2 m + 1 1 2 m + 4 (2m+1)(-9)+(9m+4)(-2)=1Danc 2m+1 1 9m + G CQFD Questian 40: 12 m +1 $30m + 2 = 10m + 1^{30m + 2}$ Q1 (12 m + 1) (+5) + (30 + +2) (-2) =1 60m +5 -60m-4=1 5-9=1 1=1 (QFD

Question 20: Ex: Prome que on et on + 2 vont promi entresc $m \times (-1) \rightarrow (m+1) (+1) = 1$ m-m+1=11=1 (QFD Supparon que le 2 c me sont pour mobile de 3 Danc) b = 0 [9] => (b = 1 b = 2[3] LC 7 0 [3] [C = 1 0 = 2 [3] $2/2/(...)^2=8$

om tear: 1 1 1 1 1 1 1 2 1 4 1 137 Danc dans noter Hypnotheir d'alsuailer, en a $l^2 + c^2 = 2[3] = 2[3]$ QQ = Q[3] on a = 1[3] on a = 2[3]) 2 = 0(3) =1 2 = 0(3) Q = 1 [3] =) 2 = 1 [3] a = 2[3] => 2 = 1[3] Donc a zomain = 2 [3], l'est abussa! CRFD

