## Mathematics Tasks 09/08/2023

 $\frac{09.08}{2023} \quad \text{NO}_{2} 1-2 \\ \text{X}^{2} - 541 + 104 = 0 \\ \text{D2} \left(-64\right)^{2} - 4.104 = 2500$   $\frac{32}{4} \left(-54\right)^{2} - 4.104 = 2500$   $\frac{32}{4} \left(-54\right)^{2} + \frac{501}{2}$   $\frac{32}{4} \left(-54\right)^{2} + \frac{501}{2}$   $\frac{32}{4} \left(-54\right)^{2} + \frac{501}{2}$ 

x2+x2=12+15=== (+1+x2/2-3x1) =11-5+53×112+1-5-53701212-22 11-51-53+14= = 25-2°125-37/14 2 = 25-2-1-12/14/2 2548231 2. × x + 11 × + 12 = 0, & hought x + 12 2 D= 11112-4.12 x = 121-48 273 X9,82 1411 +1=1-11+5931/2 X2 = 1-11-573/12 1 + 12 = [1-11+ 573 172 + (-11-573/121-I.111-22573473114+1121+22573+8731 14 = 12 - 121 \$ 2 - 73/14 = 1242 + 146/14 = X = 3 88 14 587 3, x2+ 4x+33=0 D=9" - 4.33 X

×1, ×2 = = = = = 33 [ x 1 + x 2 5 - 9 { x 1 + x 2 5 - 3 a x2 = 11, avo Muny Freno X1 = 3 X, = X2 - 9 X1 1/2 - 41 - X2 = 33 x2 +9x2 = 33 \* X2+9X2 1 1 1 = X2 1 X4 = X1 X2 X +8X2-X1 = X1 + X2 = X1X2 X1X2 X1X2 - + 9 - - 33 - - 11 0: - 3

4. X2 -. 8 X1 11 = 0  $X_1^3 + X_1^2 + X_1 + X_2^3 + X_2$ X1+X2= a= +4--8 1-8 35472540372 X1.X2 = 11 = 11 1= 1-812 - 4.11 = 64-44= 20 X, 2 (8 + 520) 1/52 X2 2 18 - 520 1/21 XX = (x3, +x3) + (x2) + x2 + x1+ x2 = = - (x1+x2)(x1+x2-x1x2)+ + 1x21+2x1x2+x2-2x1x2/+1x1+x2/7 = (x1+x2)(x2+2x1x2+x2-3x1x2+ + 1×1+×1-2×1×2+/×1+×2/= = 1+1+x2/1/x1+x2/2-3x1×2/7/x1+ + X212+ (X1+ 12/-2 4 X2.

(X1 + X2 = 418 (X1 X 2 = 8 M メノンオンパーメン 18-X2 1X2 = 11 8- × = 11 x, - 2 + 11 = 0 \* = 3+ 8 182 - 3 - 11 1 + 8 78 - 2011 = 18 (64 - 33/+ +64+8-22=8-31+50=8-31 784.6+ 12=8.37+2 7 298  $5.x^{2} - 15 \times 736 = 0, |X_{1} - X_{2}|$ 1X1=1X5 1 - X21 = VIX 1 = X212 = JX2 - 2X1X2 + X2 = = JX1 + 2X1X2 + X2 - 4X1X2

Apewalance K-2X1X2 + 4X1X2, Wolor nougress klagnos aprimers, notall ofrell 4-4 X1X2, refolde ypobulace ocholomoes acqueuse VX1+X2)2-4X1X2 = 5152-4,36 = 10 591 = 6. X - 12x +19 = 0 X1+K2=1 & = 12  $x_1 \cdot x_2 = \frac{c}{a} = \frac{18}{9} = 19$ X, (1-x, 1+x, 14-x, 1=(x, -x, 1)+ + 1x2-x2) = xy-x12+ x2-x2= = = x, +x, -(x,+x,2)= = 1x12+2x1x, +x2 -2x1x2 9 = = x1+x2-1x1+x212-8x1x21= - 1x1+x21-1x1+2x1 /2 3 - (X1+X2/11-1X1+X2/1+2X1X2

Xx 12 (1-12) +2.19 = -12.11 + 38 = 2 - 99 7 x - 4x+1=0, Howin (x, - x, 12+1x2-x2) No Teope ne Buelo  $X_1 + X_2 = -\frac{6}{a} = 4$ ,  $X_1 \cdot X_2 = 1$  $\frac{2}{1} \cdot \frac{1}{2} = \frac{2}{2} = 1$ 3+122 11 1 2 5 ×  $(x_1 - \frac{1}{x_1})^2 + (x_2 - \frac{1}{x_2})^2 =$ = (x1+x2)2-(1+1)2= = x 1 + 2 x1 x2 + x2 - Wx1 + 2 \frac{1}{x\_1} + 2 \frac{1}{x\_1} + \frac{1}{x\_2} + \frac{1}{x\_2} = \frac{1}{x\_1} + \frac{1}{x\_2} + \frac{1}{x\_2} + \frac{1}{x\_2} = \frac{1}{x\_1} + \frac{1}{x\_2} + \frac{1}{x\_2} + \frac{1}{x\_2} + \frac{1}{x\_2} = \frac{1}{x\_1} + \frac{1}{x\_2} 

X1 + 2x x2 + x2 - x2 + x1 x2 + x2 = = x 1 + x 2 + x + x 2 - 4, = -4 120 glori puel yeurs nemel 1 2/x2+x2)[1)[1)[x1x2/2]-4= = 1(x1+x212-2x1x2111+ 1x1x212)-4 142-21/1/11-4=116-21-121-9 214.2-4=28-4=24. 8. X, X2 7 X2-5 X+02-20+1=0 a E R flower provenue xx, 2 ge x, 1/2 XX X - 5 X + 2 - 20 + 1 = 0 Enlo eno regenere Beliefa; X1X2 2 2-204-1 x1 x2 = 02-20+1 = octa-2+1 2 a2-a-a+12 a(a-1)-1(a-1) = le-1/10-1/010=1; unic. zuar 20.