1 Affati ultimele 2 cifre ale lui 3230  $32^{30} = 32^{2} = 1024 = 24 = 24 = 13824 = 24 = 8 \cdot 3 = 24$ 

2. Det restel imp lui se131.

a) la 3 5)@9

a) 38 131 = ? (mod 3)

 $38 = 2.19 = > 38^{(3)} = 2^{(3)} \cdot 13^{(3)} = 2^{(3)} \cdot 2 \cdot 13^{(3)} = (2^2)^{65} \cdot 2 \cdot 13^{(3)}$ 38131 = 465.2.19131 = 165.2.131 = 2/mod 3)

3. Det câtul vi revul impluif la g:

 $R = x^{4} + 5x^{2} + x - 1 \in \mathbb{R}[x]$  8 = 3x + 2

-3x3+4x2

49x2+x-1

 $\frac{-\frac{49}{9}x^{2} - \frac{98}{27}x}{-\frac{71}{27}x - 1}$