```
EJERCICIOS POLINOMIOS
   Progunta 2 \label{eq:property} \text{Helice} \alpha \in \beta \text{ pro-prop}^{\beta} - \alpha \sigma \in \beta \text{ so densite proof}^{-1}
Page x s -axt B
                                   x2-4 =0
                                     Social Res
P(x,) . (2) = - Q(2) +B
          = 32-22+p -> 0.52-22+p
P(xx) = (-2)8 -4(-2)+19
          = -32 + zetp + 0 = -32+2e+p
                                                 20+1255
    -29+6=-35
                                      P = 32-2a
       2a+p= 52
                                      -2a+ (32-2a)= -32
                                            -2a-24 = -64
     B= -32+2a
           5-32+2 (16)
                                                                 2=16
         13 = 0
  .. x = 16x - x (x = 4)
                      3 or divible
   Pregunta 3
     Hallse \alpha \neq \betapses que x^3 - \alpha x^2 + \beta x + 3sea divisible per x^2 + x + 1
                        x + (-a-1)
    x3-x2-x
                         (-a-1)x+x(p-1)+3
                    -((-a-1) x + (-a-1) x + (-a-1))
                        x(p-1)-(-a-1)x-(-a-1)+3
                            X ((p-1)-6-(-1)) + x +4
                                    x(p+a)+a+q
                  → x (p+a) +(a+y) = 0
                                 P+ Q = 0 + P = 4
                                  2+4=0 + a=-4
        Encontrar el valor de \alpha para que al dividir 2x^3-2x^2-\alpha x+4entre x-2 dé resto 2
                            2X2 + 2X
            x-2 \(\int 2x^3 - 2x^2 - ax + 4\)
                           -2x8 + 4x2
                                      2x2 - ax+4
                                      -2x2 + 4X
                                                       x(-a+4)+4
                    → X(-9+4)+4=2
                                     X(-9+4)=->
                     Aplicano teorema del moto
                       → PCX) of rote or PCC)
                                X-C > X-Z - C+Z
                       P(C) -0
                        P(2) = 2(2) - 2(2)2 - a(2)+4
                              P(2) = 12-50
                            12- 2a=2 = -2a= +0
                Pregunta 5
                Determinar el valor de o para que 3x^4-2x^2-\alpha x-4admitax=2osmo una de sus rolos
                Si x = Z pan room on mirz
                 pcz) = zcz)-z(z)2-a(z)+4
                             = 16-8-2a+4
                       P(2)=(2-2a → 12-2a=0
                     P(2)=2(2)3-2(2+76(2)+4
                            P(2)= 16-1-12+4
                    Dadus los polimentes y(x)=x^4-6x+1 \qquad y(x)=3x^3-5x \qquad x^4-x^2+2
                  1. [ x4-6x+1] +3[3x3-5x] + C X4-X2+2]
                      x4-6x+1+9x3-15x+ x4-x2+2
                   2x4 + 9x3 - x2 - 21x +3
                       2(0)4+9(0)3-(0)2-51(0)+3= 3
                  2. [x4-6x+1]-[(3x3-5x)+5(x4-x2+2)]
                        [x"-6x+1]-C 2x,-2x+ 2xn-2x++10]
                            x 4 -3x + 5x -5x + 5x -10
                        -4(0) - 3(0) + 5(0) -(0) - a = -9
                         -4(5)4 - 2(5)3 + 5(5)3 -(5)-0 =
                                  -64 - 23 +20-2-9=-78
                          -4(-2)4 -3(-2)3+5(2)2-(-2)-9 e
                                   -64+24-20+2-9=-67
                    3. [x4-6x-1] + [(3x3-5x). (x4-x2+2)) =
                          [x4-6x-1]+[3x7-3x5+6x3-5x5+5x3-10x]=
                       Ex4-6x-17+ C 3x8-8x5+(1x3-10x7=
                     [x"-6x-1+3x7-8x6+11x,-10x)=
                     C3x7-8x8+x4+11x3-16x-17
                         3(0) 7 - 8(0) 8 + (0) 4 + (1(0) 3 - 16(0) -/ = -1
                          3(5)=- $(2)$+(2)" + 11(2)$-16(2)-1 =
                             584-256+10+88-32-1867
                 4- [4Cx4-6x+1) + Cx3-5x)]. [x4-x2+2]
                          [ 4x4-24x+1 +3x3-5x]. [x4.x2+27
                          [4x4 + 2x3 - 58x +1][x4-x2+5]
                 + 4x8-4x6+8x4 +3x8-3x5+6x2-29x3+29x3-58x
                = 4x8-26x9-4x6 -3x5+9x4+35x3-x2-58x+2=
                4(0) = -26(0) = -4(0) = 3(0) = 4(0) 4 35 (0) = -60) = 5800+2 = 2
                4(5) - 56(5) - 4(5) - 3(5) - 3(5) + 3(5) + 75(5) - (5) - 58(5) + 5 =
            1024-3328-256-96+144+280-4-116+2= 2350
                     x -6x+1-([x -x2+z)·(3x3-6x)]
                      x - 6x+1 - (3x3-6x5-) x = + 5x3+6x3-10x) =
                       x4-6x+1-3x+5x+5x+5x5-5x3-6x3+lox=
                       1+ PX+XP+ EX11-3x8+ FXE-
                             Indeterrido pare O
                 -3(2) +8(5) + (2) -11(2) +4(2) +1
                                                3(2) -6(2)
                    -384 +256 +16 -88 + 8+1 = -191
12
            6- x4-6x+1 . 2(3x3-5x)
                              (Xn-ex+1). (ex2-10x)
                                6x7-10x6-26x4+60x2+6x3-10x
                               6 (3-10(0) -35(0) +50(0) + 50(0) - 10(0) = 0
                           = (3)0/- (2)2+ 2(2)00+ (2)2 = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (5)2) = - (5)0(- (
                                 768-320-576+240+48-20 = (40 = 10)
                    Pregunta 7
                      \begin{array}{l} * \ x^2 - x^3 + x^3 - 2 \ \text{outin} \ x^4 + x^3 + x^3 + x \\ * \ x^2 + x^7 - 3x^6 + x^3 + 2x^4 + -3x^2 + x^2 - x - 10 \ \text{extre} \ x^4 + x^5 - x^2 + x + 1 \\ * \ x^6 - x^5 + x^4 - x^8 + x^7 - x + 1 \ \text{ente} \ x + 1 \\ & - 1 - \text{ordinarios recliration, realization, realization}. \end{array}
                   1. x^{4} + x^{5} + x^{2} + x = x^{6} - x^{6}
                                                                                     x6 + x5 + x4 + x3
                                                                                  -x +x4 +x, -3
                                                                                     x + x 4 + x 3 + x 2
                                                                                          -x2-2x-3
                 -2x6 + x4 - 3x3 + x2-x-10

2x4 + 2x5 + 2x4 - 2x6 - 2x2
                                                                           2x5 +3x9-6x3-x2-x-10
                                                                            -2x5-2x4+2x5-2x2-2x.
                                                                                          01-XE-5XC-6XP-10X
                                                                                          1-x-5x+ 2x-1-1
                                                                                               -5 x3 -2x2-4x -11
                        25 X4-X5 + X4 - X7 + X6-X+1
                                   X-C C=-1 usual diversión sintifica
                                    -1 [1-11-11-11
```

Q632x5-2x"+3x3-4x2+5x-6