```
1-2x-1+3x2 = 3x2+2x-1 = 2= gran
2-2x3+x2-2x+1=2x3+x2-2+1 - 3. gran
3-1-x2= X2-1 + 7= grav
4- X2-X4+X-3: X4+X8+X-3: 4- gray
S- pelmeria
6. mondone
J-polimenio
8- polinemio
9-(x2-3x+7)+(3x2+5x-3) = 4x2+2x+4
10-(-3x2-5)-(x2+3x+15)=-3x2-2+x2-7x-12 D-2x2-7x-17
11-(4x3-x2+3x)-(x3+12x-3)=4x3-x2+3x-x3-12x+3 =
12--(y2+dy-3)-(x3+12x-3)=-y2-dy+3-x3-12x+3=
13-2x(x2-x+3)= 2x3-2x2+6x=
14- 12 (2y2 +3y-4)=2g4 + 3y31-4y2
15-- Ju (4gg -1) - Jde + 3m
```

16--4v (2-3v3) = 12v4-8v 17-(3-x-3x2)Sx = 15x3-Sx2+10x 18- (1-x2+x4). (2x) =2x5-2x3+2x 19-(x-2). (x+5) = x2+5x-2x-10= x2-3x-10 20-(2x+3) (4x+1) = 8x2+2x+12x +3=8x2+14x+3 21-(3x-5)(X+2)=3X2+6x-5x 1-10=3x2+X-10 22-(2x-3).(2x+3)=4x2+6x-6x-12=4x2-12 23 = (3x-y) (3x+y) = 9x2+3xy-3xy -y2=9x2-g2 24=(3-5x)2=(3-5x). (3-5x)=9-15x-15x-25x2=-25x2+9 28-(3x+4y)2-(3x+4y).(3x+4y)=9x2+12xy+12xy+15y2 25-(X-1)3= (X-1).(X-1)-(X-1)= X3-3x2+3x-1 27-(2u-v)3=(2u-v). (2u-u). (2u-u) * u=xev=y 8x3-12x2y+6xy2-y3 28-(n+3v)3: (n+3v). (n+3v). (n+3v): m=xe u=y 29-(2x3-3y) (2x3+3y) = 4x5+6x3y-6x3y-9y2 = 4x5-9y2 30-(Sx3-1) = (Sx3-1).(Sx3-1) = 25x5-10x3+1

```
31-(x2-2x+3).(x+4) = x3+4x2-2x2-8x+3x+12 =
 X3+4x2-Sx+12 x1+2
32-(x2+3x-2).(x-3)= x3-3x2+3x2 +3x2 +3x2 +6)
 X3-11×+5
33-(x2+x-3).(x2+x+1)= X2+x-3 , x4+x3-x2
        X^2 + X + 1  X^3 + X^2 - X
                            (-3x^2-3x+3)
        (1 X4+9X3-X3-9X-3
34-(2x2-3x+1)-(x2-x+2)=2x2-3x+1
2x4-2x3+8x2-7x424 x2-x+2
                 2 x4-2 x3 +4x2
              -3x_3 + 3x_5 - 6x
35-(x-V2)-(x+V2)= x2+xV2-xV2-V2+
36. (x = -y = ). (x = +y =) = x = x = +x = y = y = x = + y = y = x
37- (Vu + Vv) (Vu - Vv): u-v
38. (x2-V3) (x2+V3): x4 + x2V3 - x2V3-V3. V3 A
39. (X-2). (X2+4): X3-2x2+2x2-4x +4x-8 =
40. (X+1). (X2-X+1) = X3+X2-X3-X+X+1: X3+13
41-5x-15=5(x-3)
```

```
47-5x3-20x=5x(x2.4)
 43-133-3482+248=48(482-38+2)
 49-2x(x+3) 5(x+3))-2x2+6x-6x+15 = 2x2+x+15
x(2x+1)+15
 45- 32-49 $ 32-92 => (3+7) (3-7)
 46.9 y2-15 = (3y)2-(2')2 => (3y+4) (3y-4)
47-64-25 y2 $ 82- (5g)2 $ (8+5y) (8-5g)
48-16-(x+2)2 + 42-(x+2)2 + (4-(x+2))-(4+(x+2)) + (2-x).6+x)
49- (y2)+8y+(15) + (y-4)2

So (36 y2)+12y+(D+ (6y+1)2

51-(42)-42+(D+ 23 & 1 + (2y-1)2
52-(9 g2)-24 g + (5) = (3z-4)2
53- y3-8 = y3-23 = (y-2). (y2+2y+4)
54. 33+54 + 33 + 43 + (3+14) (321-43+15)
55-27 13-8 = (31)3-23 = (31-2) (9)3+64+4)
56-6433 +27 + (43)3 + 33 + (43+3) (1832-123+9)
57-(1-x3)=> (1-x). (1+x+x2)
```

58-27-y3 + 33-y3 + (3-y). (9+3y+y2) 59-x2+9x+(4 => (x+2). (x+7) 60-y2-15/+30 \$ 12-Sy-6y +30 \$ (y-5)-6)(y+15) \$ (y-6). (y-5) 69-32-53-24 \$ (X+12) (X-2) 62.6x2+5x+1 = 2x.3x+3x+2x+1 = 3x(2x+1)+ (2x+1)= (3x+1).(2x+1) 63-14x3-33x-5 + (2x+s) (4x-5) G4. 1012 +231 +12\$ lox2+15x +8x +12 \$ \$x (2x+3) +4 (2x+3) (5x +4). (2x+3) GS-12x2+77x-12\$ 79x3+50x-2x-12\$ Ax(3x+2)-3x-12\$ 66-2x2-3xy+y2=(2x-x)(x-x) 67-6x2+11xy-10y2=(2x+5y)(3x-2y) 68. 15x2+29 xy-14y2 = 15x2+35 xy-6xy-14y2 = 5x(3x+7y)-6xy-14y2 = 5x (3x+7y)-2y (3x+7y) * (5x-2y) (3x+3y) 69- x3-4x2+5x+20: X2(x-4)+5.(x-4) * (x2+5) (x-4) 30-9x3-3x5+9x-3: x5(5x-3)+1 (5x-3) & (x3+1) (5x-3)

```
73-X6-3X4+X2-3= X4 (X2-3) + (X2-3) = (X4+8) (X2-3)
72-X8+2x4+x2+5= x4(x2+5)+(x2+5)=(x4+1).(x2+5)
 93.20.(+6ad-be-3bd=2.0.(c+3d)-b(c-3d) => (do-b) (c+3d)
 (3m-2n) (w+4z) -2vw-8vz=3n(w+4z)-2v(w-nz)
  75. x3+x=x(x2+1)
 75-4y3-20 y2+25y= y (2y-5)2
 77-18 y3 +48 y2 +32y = 3 y3 +8 y2+ 5y = 14 (3y2+8y+5)
7×(x(x-3)-7x+3) = 2x(x(x-1)-7(x-1)) = 2x(x-1)-(x-7)= 2x(x-7)= 2
79-16g-y3= y. (15-x2) = y(42-x2) = (4-x). (4+x)
80-3x4+24x = 3x.(x3+23) = 3x(x+1).(x2+2x+4)
85-Sy +3y2-213= y (-2y2+3y+5) = x - (2x-5).(x+1)
82-834-8=3.(23-1)=3.(5x-1)(4x2+3x+1)
83-5(2x+1)5-18=20 x5 +5x-18= 5(52x5+x-8)
84-5 (2x-3)2- 10=20x2-30x+25=5 (4x2-6x+5)
```

(13/ 1917) - (887) + (1887) + (1887) + (1887) + (1887) + (1887) 85-15x2+55x-50 = 5(5x+8)(3x-5) 85-3x2+13xy-10y2=3x(x+Sy)-2y(x+Sy)=(x+Sy)(3x-2y) 87-20. C-2 bd +4 ad-bi= ktora 2012-bi-2 bd+4ad ~ (2a-b) - 201 (20 +- b) + (2d+x) (20-b) 88.6ac-2bd+4bc-3ad= (3a+2b) (2c-d) 80-X3-3x5-4x+15= (X-3) (X-5) (X+5) 90-x4-4x3-x2+4x= x (x-4) (x-1) (x+1) 91- Ecaple 11 b ???