João Felippe Tnurler Bondon da Formua / Q. I S= K1(K+J) = Ve tral que se x jon impar K+1 e par e le K+1 par impair ké par Loge rempre teremos um numero impar multiplicande, e que implicara em un later Primo de S = 2 ja que Para K=10 todo numero Empar Porrui Potor Primo impar

 $\frac{3005}{2015} = \frac{1005}{2015} = \frac{1005}{201$ 

João Felippe Thurler Rondon da Forrica Q. 4 Pela Velações de stewart: - x2 = 1- V 1/3 = 1-1/3 = 1-2/3 =  $\frac{\sqrt{3}\sqrt{13}\sqrt{13}\sqrt{8}}{\sqrt{3}\sqrt{13}\sqrt{8}} = \frac{\sqrt{3}}{2\sqrt{3}\sqrt{2}} = 1 - 3 - 3/2 = 7\sqrt{2} = \frac{1}{2}\sqrt{2}$   $\frac{\sqrt{3}\sqrt{13}\sqrt{8}}{\sqrt{3}\sqrt{2}} = 1 - 3 - 3/2 = 7\sqrt{2} = \frac{1}{2}\sqrt{2}$   $\frac{\sqrt{3}\sqrt{3}\sqrt{3}\sqrt{2}}{\sqrt{3}\sqrt{2}} = 1 - 3 - 3/2 = 7\sqrt{2} = \frac{1}{2}\sqrt{2}$  $\frac{\text{Nm6}}{\sqrt{7}+/3} = \frac{\text{Nm6}}{1/31} = \frac{3\sqrt{3}1/2}{2\sqrt{7}} = \frac{3\sqrt{3}1/2}{2} = \frac{3\sqrt{3}1/2}{2}$ 

João Felippe Thurler Rondon da Formeca/Questão 6 +(Q) = 7 ; x + 1 - x = 7 - t(x) <= > t(-x) = 7 - t(x)X+1X1=7-+1-x)=>+(-x)=7-x+(x) 7-E(X) =7-X+(X) => X-X5+(X) =7-+(X)  $x-7=\pm(x)\left[\begin{array}{c} x-7 \\ \end{array}\right]=>\pm(x)=\sqrt{x+7}$ +(0)=1/1 V'; Logo +(x)=1/x+1 Para qualquer x Real.

Socio Felippe Tourler Randonda Familia Q F P(X)= (x+2x-1)(x2+x-1) Achando en rainer: -2± \[ 8 = -1± \[ 2] 2 -11 1 5 00 (5) = 272 , \(\bar{12} = 114  $\frac{5,2-1}{2} = 7 - 1 - \sqrt{2} L - 1 - \sqrt{5} L - 1 + \sqrt{2}$ 一1月1日200,2-1 -1-1144-212-1 6+c2= (a+6)2-2ab= 4-2(-1)=6  $S = 4.6 + (a+1)^4 + (a+1)^6 = (10-15)^4 + (1+15)^6 + 24$ 

João Felippe Thurker Rondon da Jankar (Q,8)

R: ax+b=y; Xo = -b/a 1 y=b

b-b/a = 39; 3a+b=-2; b=-2-3a

-2-3a + 2+3a = 3a / 3a=3a+2-2a-3a<sup>2</sup>

Ba<sup>2</sup> - a-2=0; Comb=b=-2-3a

Porra Cada Coef Orngular Toremon I reta Apando
Logo a Soma dos coef angularené;

RI+RI2= 1/6//

João Felippe Thurler Rondondo Fondes / 2.9 10999 + 1092+P= P+ 1097 + 109C 1696+1097+ 9 = 109x + 109C+r = 1092+9+V 9-4= 100x+100c -10p-10gx Y= log 6+10g7 - log2, 9= logx+log C-10g2 log + log 1/2 + log 2 = log x + log c - log z + log 1/2 12 = ab 109a+bog 2 bgx+10gy = -210g2 + 10gy +togx +10gc+log6 109 Z = 109 C+ 109 b

Rondon da Formeca./Q.10 W= con (2517) + isen (3517) m= cox (2KT) + 1 mm (-2KT) mx + m = 2 cm (2KT) = (0) (2KT) = m+ m VZ = 12KM ; Para K= Latém Como: 2 -1=0=7(2-1)(+X1+X2+X3 --- Xm-1) Queremon: X1+X2+X3 --- XM-1 =-1; comon on mosninos Vous rempre a Parte real. 2 cos 2 kg = -1 () (01/0 = co20. (020 = (020+1) (020+1) = 1/4/ (0220 + 100226+1)  $(con 20)^2 = con 6 + 1 = 7 con 40 = con 40 + 1 con 20 + 3$ S= 2 cos /461 +7002 (261) +7 B/8 Camos na mesma situação do item B) S=-1/8-1/2+30m=3m-5