Stevan Whyic 17te Malhe Haus ab uns am 27.11.22. k=1/2 1(x) = x2 - 5x + 11 11/x)= 2x - 5 1 = 2x-5/+5/=2 ×= 47 4.69c lan (30)= k= f(x) /(w/30)= f'(x) 1 (1) = 5- x<sup>2</sup> / 10-1x<sup>2</sup> hegaline war zel d.h -) keine 1 (1) = -1 \frac{1}{\sqrt{x}} = -1 \frac{1}{\sqrt{x}} = 30 g. 5-Vx 4. Foat 11 (x) - 4x + 30x + 12x 1/2 = x 4 16x 3 + 36x2 11(x) = 12x + 60x + 72 484a]-c) U= Slnk) = 01= 5 V= 5 V=0 = golost mil großen Losungsformel 1(1)=5-ln(1)+5 12x2+60x+72=0 1/1 = 8 X1 = -2 , x2 = -3 6) P(s)= 1+x+lg(s) c) g(+)= 2. ln(+) -+.ln(2) [ (x) = 1+ x-ln(10) 9/1): 2 - ln(2) 4.884 5 1) /= sin(x). sin(t) + (os(x). cos(t) 4976)c) xo-1, y=2 5 /67-2+0,5, la(x) 1/(x) = 015  $\frac{dY}{dx} = \frac{\cos(\delta) - \sin(t)}{-\sin(\delta)} - \cos(t)$ 2-1-0,5+d k-015 d. 1.5 f(x) = 015 - x + 1.5 11 = sin(x) · cos(t) - cos(x) · sin(t) 4-110 | a-d | a & (x) = x3. ln(x) p'(x) = 2x2. ln(x) + 2-x3 x2 V = 2 V = 2 2 2 V = 2 2 1(x): 2x2-ln(x)+ >

1 And Mather Hü couler Steam (legici ) 27.11.12

4. Mother  $f(x) = x \cdot \log(x)$   $v = x \quad v' = 0$   $v = \log(x) \quad v' = \frac{1}{2n(x_0)}$   $f'(x) = \frac{1}{2n(x_0)} + \frac{1}{$