Steven Wegnit 16te Malle 110 am 24.11.22 4.59a A: 51 hleitung -) Funktion Sten Grades y: X5-3x2 4.590) A: 4 Abledunger-1 16)=14,413-61 11(x) = 5x4 - 6x Funk ion Liten Grades 11/x) = 4+3 + 12+2-6 $|''(x)| = 20x^3 - 6$ 114 - 12+2 - 24+ P11(x) : 60 x2 1 4) - 24+ + 24 [4] (x) = 120x 1(4) = 24 (SI /A) = 120 b) $4(x) = \frac{\sqrt{x}}{4} + 3 \times = 25$ 4.619 5 1/(x) = 1 - x = 1/(25) = 1/40 14=3x2-2x+1 x0=-1 l'(x) = 6x - 2 l'(-1) = -84.62b) q(+)-2+2+3+-7; 3 to= =3 q'(+) = 4++3+1+ q'(+)=4+3+1 q'(3)= 136 $U = \frac{9}{2}$ $G' = \frac{1}{2}$ 4.63 ah al s(1) = \frac{9}{2} \cdot 1^2 \tag{7} = 3.7 5'(1)= g.t : 5'(3,17-3,18-g) - 37,28, E b) Ma= q.l. x - q= x. $M(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ $M'(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ $M'(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ $M'(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ $M'(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ $M'(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ $M'(x) = \frac{q \cdot x \cdot \frac{1}{2}}{2} - \frac{q \cdot x}{2}$ 4.1014 0: 2 (s): 2x - cos(x) U= 2x v1 = - sin (x) V= (054) 1 (x) = 2 - cos(x) + sin(x)-2x = $f'(s) = 2 \cdot cos(1) - 2x sin(1)$ b) f(x)=4x3. sin(x) f(x)=12x2-sin(x)+(05(x)-4x3 U=4x3 U= 12x2 U= sin(x) U= cos(x) U=4x3

Stevan Vlajic 16te Malhe Hiram 29.12.22. (heider) 4.10tc) f(x)=3x4. sin () U = 3x4 G = 12x3 1 (x) = 12x3 · sin(x) + cos(x) - 3x4 1 (x) · 3x4 - cos(x) + 12x3 - sin(x) $\frac{d}{d} = x^{2} \cdot \cos(x) \qquad 0 = x^{2} \\
V = \cos(x) \\
\frac{f'(x)}{x^{2}} = 2x \cdot \cos(x) - \sin(x) - x^{2} \\
\frac{f'(x)}{x^{2}} - \sin(x) \cdot x^{2} + 2x \cdot \cos(x)$ 0 2 28 u = - sinly)