The Mathe 40 am, 12.03.2023 6-1020 Shown Wagie c)  $\int x - \ln(x) dx$   $\lim_{x \to \infty} \frac{\ln(x) - x^2}{x^2} - \left( \int \frac{1 \cdot x^2}{x^2} dx \right)$   $\lim_{x \to \infty} \frac{1}{x^2} = \lim_{x \to$ d) (+-3+ dt +-3 - 3 + C en (3) - 2 (3) 6. 64a/c) (x) (x) (x) (x) x. (-cos(x))- 5-cus(x)-2xdx x2 - (-cos(x)) +25 (os(x) - x dx U = X U = 1 U=x U= 2x V= sin(x) V=-(us(x) V'= cosh V=sinh x2- (-custo))+2. (x-sin(x)-) sin(x)-dx) -x2-cos(x) + 2x-sin(x) + 2-cos(x)+C - cos = ln(1)-13 - 13+C c) (1° ln(1) a) dt ln(1).1° - (-1 + 3) dt V. ln(+) V: 7

V-1 V-03

V-1 V-03

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