40 1 Malhe Hi am 14.03.23 6-105a) 5 ln(1) dx - ln [1]. ln [1] - 5 ln [1] + 5 ln [1]: 2 v: ln(1) v: 1 = ln'(1) = ln'(1) = ln'(1) + C 6-105d) 52x. loly)dx = x2. lolx)-[] x . x dx = 5 x dx V= 2x V= 7.x2 V=ln(x) v= 1/x = x2.ln(x) - x2+C cos2(x)=1-sin2(x) 6-1064 Ssin(+)·cos(+) At = sin2(+) - Scos(+)·sin(+) At U = Sin(t) v= cos(t) Ssin(t)-cas(t) = sin2(t)-scos(t) - sin(t) - s(...):2 V= cos(t) U= sin(t) = sin2(t) + C 6-106c) Se-sink) dx = e-sink)- gosk). e dx U= Sin(x)u= cos(x) V= ex v= ex U = (us(x) U = -sin(x)

V'= e* V=e* (1-)

e*-sin(x)-(cos(x)e*+(sin(x)-edx)

Se*-sin(x)dx = e*-sin(x) - (cos(x)e*- Ssin(x)-edx) + Sex-sin(x) + (sin(x)-ex=e-sin(x)-cos(x) ex Se - sinly = 2 - sinly - ex-cus(x) + (