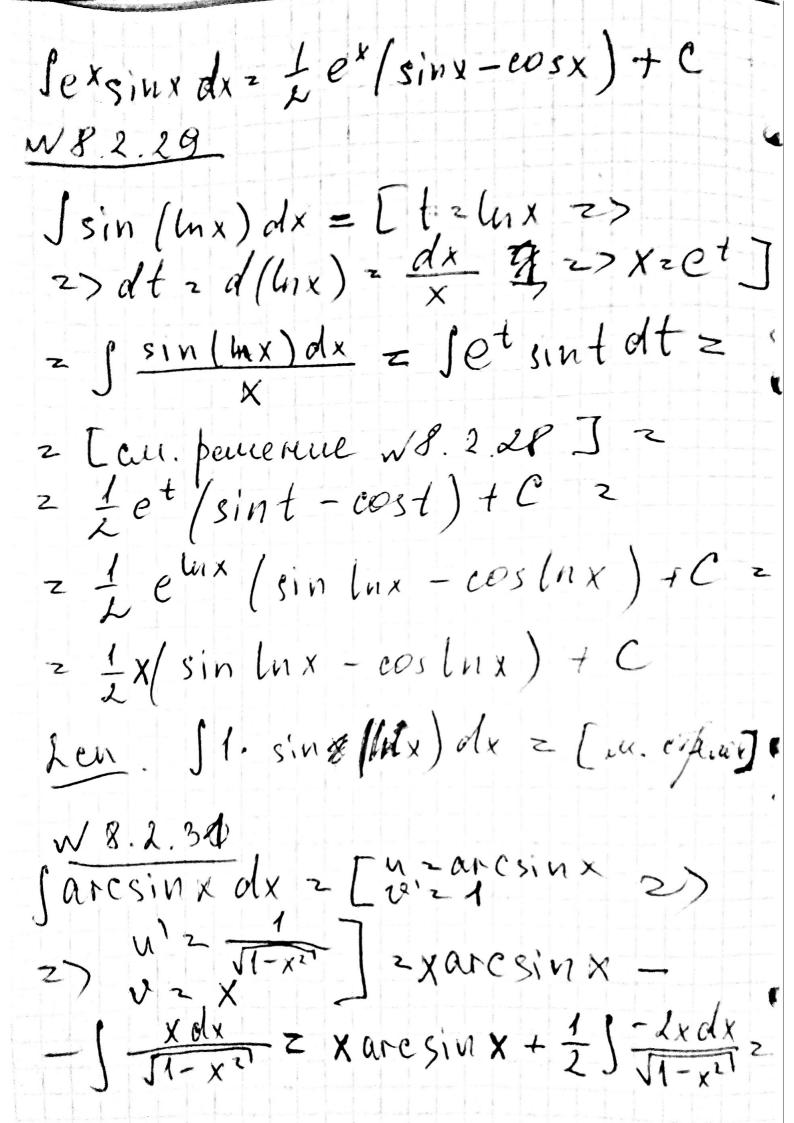
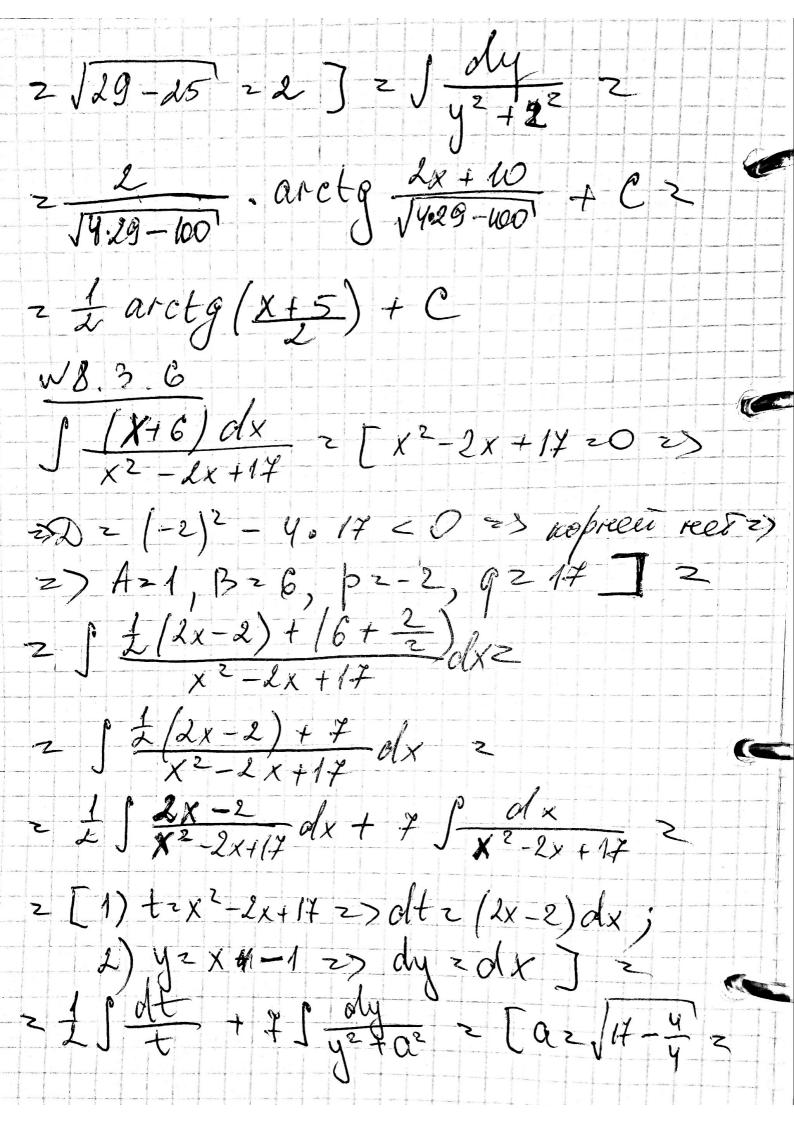
$=\frac{x^2}{2}arctox + \frac{1}{2}\int \frac{x^2olx}{1+x^2} =$ $= \frac{1}{1+x^2} + \frac{1}{1+x^2} = \frac{1}{1+x^2}$ $=\int \frac{x^2+1}{x^2+1} dx = \int \frac{dx}{1+x^2} =$ $= \int dx - \int \frac{dx}{x^2 + 1} = x - arctgx \int z$ z z arctgx + 2 (x-arctgx) + C z $z = \frac{1}{2} \left(x^2 \operatorname{arctgx} + x - \operatorname{arctgx} \right) + C$ W8 2.28 Jexsinx dx = [uzex z) u'zex]z 2 - excosx - sex (-cosx) dx 2 z - excosx + fexcosx dx z z [wizex z) wizex] z z-excosx + exsinx - sex sinx dx Jexsinxdx = -excosx + exsinx-jexsing Jex sinx dx + Jex sinx dx z ex sinx - ex cosx + C 23ex sinx dx zex sinx - ex cosx + C



Spauruna ECCE 86 4 Ja(x+3) 2 4 (n/x+3) $\int \frac{dx}{(x-1)^5} = \int \frac{d(x-1)}{(x-1)^5} = \int |x-1|^5 d|x-1$ = (x-1) + C = - 4/(x-1)4 + C W8.3.4 $\int \frac{11 \, dx}{(x+2)^3} = \frac{11}{(x+2)^3} = \frac{11}{(x+2)^3}$ W8.3.5 = [x2+10x+29=0 >> 2722 200-4.29 LO 2> HET KOPREU) 2 = J y2+0a2 = L a 2/29-1024



2 /14-1724] 2 2 h/t/+7. f. · arctg & + C z Lln (x²-2x+1+)+

+ # arctg X-1 + C ret represent W 8.3.7 $\int \frac{(4x-1)dx}{x^2+x+1} = [x^2+x+1] = 0$ 2> 221-4.12-3<0 > KOPHE CI.