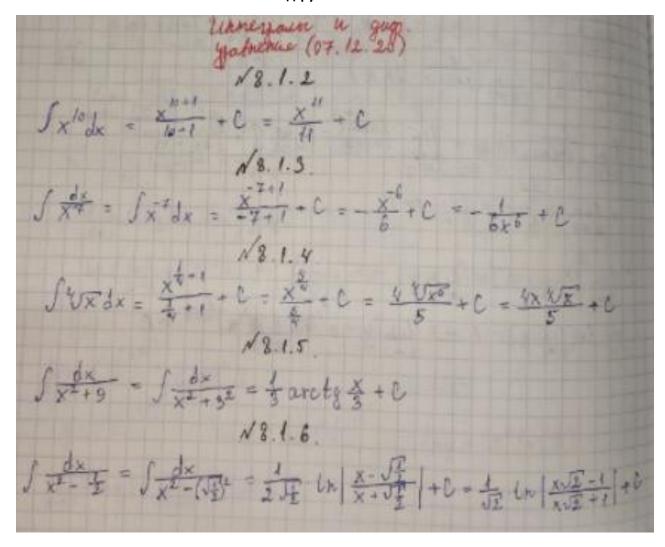
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Подгруппа №1



13 = LRIX +28 +3 1+C 1 x 1 - x = Bx dx = 5 x dx - 5 x dx - 16x dx = = S(x - \frac{1}{2} - \frac{1} * X + C = X + C = X + C = X + C + C + C 1/3.1.10 「(を一次・大学)かー5/4-10/4-5/14-5/14-5/14-5 = 5 1 dx -10 1 dx -3 / x 1000 = [x 100 - x 1 400] -= 5 Lhu - 40 VZ - 3 aret 2 30 + 0 SUX (x==1)dx = S(x== x + 1dx = S(V) - 1 dx = 5x \$ dx + 5x \$ dx = \$200 - \$200 + 4 = = x + x + c - 2 - 2 - C NO.1.12 13+ 15-10 dx - 3f - dx - 5 dx - 5 dx - 5 dx = Barasch & ex+C (x3-2)2 dx = [x6+4x3+4 dx =](x8+ 3)4 = Jx4 dx ++ Jx Edx - 4 J == 2x12 .. 3x2 - 8JR + D

18.1.14 S(veinx+8x3- costx) dx = 45 silve dx + 25x3dx - 45 sex = - 4 cosx + 2x4 - 11 tyx + C NR. 1. 16. Scos(2x)dx = [dx + 1dx + 1d(1x) + d a ro] = \$ sca (20)+C S(9x+2) 17 dx - [9x+2 - 0x+6]-1(9x+2) +C= - (9x+2)0 + C N8.1.13 1 3x-1 = 1 tr 18x-11-C N8.1.19 14 dx = + + + + C = - 43-5x + C 1 J3x-V dx = [gx+h=3x59 2JB] = = \$ 20(2x+4) + C = 20(2x-4) + C 18.1.21 5 dx = 5 dx = 5 5 dx = 5 5 x - (1) = 5 - 25 - (1) | x - 35 | = 0 = 50 ln | x55-5 +0

```
N8.1.23
   Joseph da = 1 1 + cos 2x dx - + Sdr + + Scarpinax
   = +x++ + + sences-c- + + sences + c
               18.1.24
  1 x-2 dx = 1x+3-2 dx = 1 (x-3) 5 dx =
   = [ (x+3) dx - 5 ] dx - 5 ] dx - 5 ] dx =
   = x - 5ln /x+3/+2
  1 x dx = 5x - 9+2 d+ = 5dx + 9 1 dx
  =x+ & ln | X=3 |+ C
               N8.1.26
  15+50 X dx = 5 Jan - 1 50 X 6x =
 = 5 S dx + Ssinx dx = -5ctgx - cosx +C
JUAX - 8 dx = [ t=4x-5=> dt -d(4x-5)=(4x-5)edx = 4dx => ]
- SUE tilt - # SUESI - & # + C - 2VE + C =
 2 JP - C = 1(4x - 5) + C
                18.23.
JAX12) = S(5x+2) dx = [ t=3x+2 => dt = d(3x+2) = (5x+2) dx = ]
= St + tdt - + St dt - + = = = = = = = = = + C
```

 $\int \sin^{3}x \cdot \cos x \, dx = \left[\begin{array}{c} t = \sin x = x \\ dt = d \sin x \end{array} \right] =$ $= \int t^{3} dt = \frac{t^{4}}{4} + C = \frac{\sin x}{4} + C$ $\int e^{x^{3}} x^{2} dx = \left[\begin{array}{c} t = x^{3} = x \\ = x^{3} dt = x^{2} dx \end{array} \right] =$ $= \int e^{t} \frac{1}{3} dt = \frac{1}{3} \int e^{t} dt = \frac{e^{t}}{3} + C = \frac{e^{x^{3}}}{3} + C$