## 12.07.2021

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## Вариант № 25

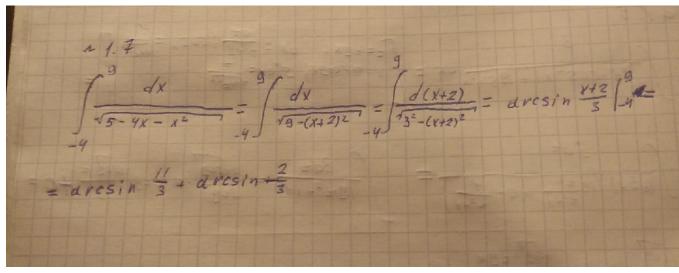
$$\int \frac{S}{A} \frac{dA}{dx} = \int \frac{6-25-6x^{2}}{dx^{2}-6x^{2}} = \int \frac{dc}{dx} = \frac{5}{(35-6x^{2})} = -\frac{12x}{4x} = \frac{5}{12x} \int \frac{dc}{dx} = \frac{5}{12x} - \frac{1}{12x} + C = \frac{5}{64x^{2}} + C = \frac{5}{64x$$

(25-EXT) = de = (35-6x2), = -12xdx (3.(4,5.x8+0,5.x5), In(x3)-dx =1,5 (x56x3-1). In(x3)dx  $=9,5\int x^{5}-(9x^{3}-1) \ln x \cdot dx = \int v=\ln x - v = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{$ = (x3-x6)/nx - ((x8-x5)dx = (x3-x6)/nx - (x8dx + (xdx = (x3 - x6) /nx - x9 + x6 +C [ x-1= (Ax+B)(x-2) + ((x3+6) > x-1= Ax2-2Ax+Bx-2B+Cx2+60  $\begin{cases} A+C=0 \\ B-2A=1 \\ 6C-2B=-\frac{17}{5} \end{cases} \Rightarrow \begin{cases} B=2A+1 \\ C=-4 \\ -6A-4A-2=-\frac{17}{5} \end{cases}$ 

= \[ \frac{t = x^2 +6}{4t = 2x dx} \] = \frac{7}{100} \[ \frac{dt}{t} \quad \frac{32}{25} \cdot \frac{16}{50} \alpha \tau \frac{16}{50} \left \frac{1}{50} \left \left \frac{1}{50} \left \left \frac{1}{50} \left \left \left \frac{1}{50} \left \left \left \frac{1}{50} \left \left \left \frac{1}{50} \left \left \left \left \frac{1}{50} \left \left \left \frac{1}{50} \left \left \left \left \frac{1}{50} \left \left \left \left \frac{1}{50} \left \lef 1 100 + 16 16 a very 6 - 70 In/x-21 +C  $\begin{bmatrix}
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26 \times +30 & -126x + 30$  $=\frac{2}{18}\int \frac{\xi d\xi}{254\xi} = \left[ -\frac{\xi}{\xi + 25} \right] \frac{\xi + 25}{1} = \frac{25}{\xi + 25} = \frac{25}{\xi + 25}$ de - 25 ( 6+25) = 13 ( E-25/5/6+25/) +C 2 126 x +30 - 50 /n / - 125 x +30 + 25 /  $\int \frac{3}{14 \cdot \cos^2(x) + 19514^2x} dx = \int \frac{1}{12} \frac{1}{12}$ 

2 ( (de - 25 ( dt ) = 13 ( 6-25/1/64201) +0 2 526 x +30 - 50/n/ +25/ +25/ +C  $\int \frac{3}{44 \cdot \cos^2(x) + 195i\eta^2 x} dx = \int \frac{1}{x = \frac{1}{2}} \frac{dx}{\sin^2(x)} \frac{dx}{\sin^2(x)} = \frac{1}{114i^2} \frac{dx}{\sin^2(x)}$  $= \int \frac{3dt}{(t^{2}+1)\cdot(19\frac{t^{2}}{t^{2}+1}+11\cdot\frac{1}{t^{2}+1})} = \int \frac{3dt}{19\cdot t^{2}+11} = \frac{3\sqrt{209}}{209} \cdot a \cot 9 \cdot \frac{609}{11} + C$ 3 fecs arcta fecs. £9x + C

 $\int_{X} dx c \sin(-10x) dx = \int_{-x} dx c \sin(10x) dx =$  $= \begin{bmatrix} v = avcsin / ov \\ v' = \frac{1044}{1-100 \cdot v^2 + 1} \end{bmatrix} = -\frac{x^2 \cdot avcsin (ov)}{2} + \underbrace{\int 5x dx}_{1-100 \cdot v^2 + 1}$  $= \begin{bmatrix} x = \frac{\sin t}{10} & \pm \frac{\cos t}{\cos t} & \pm \frac{\cos t}{\cos t} & \frac{\cos t}{\cos t} \\ 4x = \frac{\cos t}{10} & 4t \end{bmatrix} = \begin{bmatrix} 5 & \sin^2 t & \frac{\cos t}{100} \\ \frac{\cos t}{10} & \frac{\cos t}{10} & \frac{\cos t}{10} \end{bmatrix} = \begin{bmatrix} \sin^2 t & \cos t \\ \cos t & \cos t \end{bmatrix} = \begin{bmatrix} \sin^2 t & \cos t \\ \cos t & \cos t \end{bmatrix}$ = - x aresin lox + 1 5 sin e de = - x aresin lox + 1/40.  $\int (1-\cos 2t) dt = -\frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{1}{40} \cdot \left(\frac{t}{2} - \frac{\sin 2t}{4}\right) + C = \frac{\chi^2 d \cos in 10 \times}{2} + \frac{\chi^2 d \cos in 10 \times}{2} +$ -40x2 dresiniox + dresiniox \_ 20x + 10x 1+-100,2 + 0 = -40 x dresin 10 x 1 dresin 10 , 200x 11-100+ , e e aresin = aresin =



$$y' = -2 y \Rightarrow [y' = \frac{dy}{dx}] \Rightarrow \frac{dy}{dx} = 24 x \Rightarrow 24 x \Rightarrow$$