$$P \neq I \qquad 08/09$$

$$A \times I. \quad x - 2y = 2 \qquad \Rightarrow parvina$$

$$\frac{x^{-2}}{2} \cdot y \qquad y = t^{2} - 1$$

$$\frac{x^{-2}}{2} \cdot y \qquad x = 3 + 2 + 2 + 2$$

$$y = t^{2} - 1$$

$$\int_{0}^{3} ds = \frac{1}{3} \int_{0}^{3} (2t^{2}+9)^{2} dt \qquad 2 = \frac{2t^{3}}{3} = \frac{2t^{3}}{27}$$

$$\frac{1}{3} \int_{0}^{3} (2t^{2}+3) dt = \frac{1}{3} \left[\frac{2}{3} t^{3} \Big|_{0}^{3} + 9 \cdot t \Big|_{0}^{3} \right] \qquad A(0, 9 + 2 + 3) B(3, 9 + 2 + 3)$$

$$= \frac{1}{3} \left[\frac{2 \cdot 9 \cdot 1}{3} + 9 \cdot 3 \right] \qquad ds = \int_{0}^{3} (t^{3} + 2 + 3) ds = \int_{0}^{3} (t^{3} + 2 + 3) ds = \int_{0}^{3} (t^{3} + 3 + 3) ds = \int_{0}^{3} (t^{$$

dr= 1+ 4 2+ 4 + of

ds= 0, 181+36+2+4+4

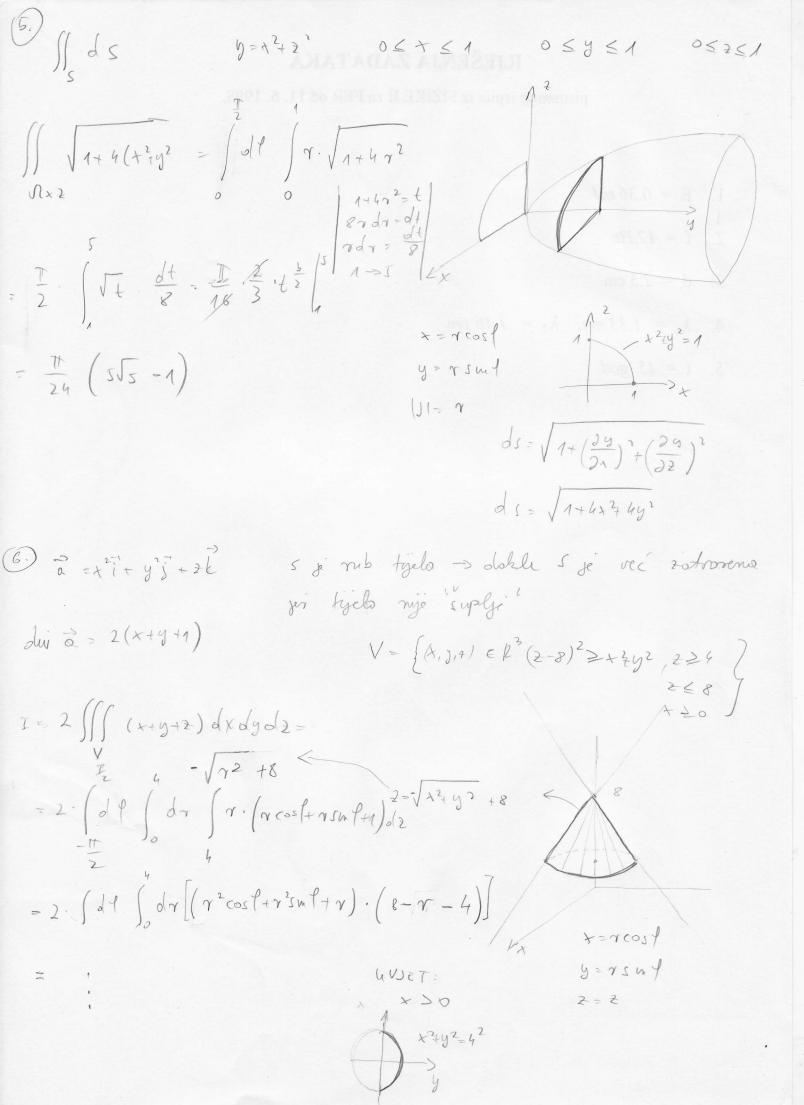
5)
$$f(x_1y_1 + 1) = \frac{1}{xy_2} (y_2 + x_2 + x_3 + x_4 + x_4 + x_5 + x_5$$

$$\frac{1}{2}$$
 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

$$\begin{cases} f(x_1y_1z)dx + \begin{cases} f(x_0,y_1z)dy + \\ f(x_0,y_0,z) \end{cases} dz$$

$$\begin{cases} f(x_0,y_0,z) + f(x_0,y_0,z) \end{cases} dz$$

$$= \int_{1}^{x} \frac{1}{x} dx + \int_{1}^{y} \frac{1}{y} dy + \int_{1}^{z} \frac{1}{2} dz = \ln x - \ln 1 + \ln y - \ln 1 + \ln 2 + \ln 1$$



$$\oint_{C} \vec{V} d\vec{x} = \vec{V} \cdot 3y\vec{1} + 2x\vec{J} + 2^{\frac{1}{2}}\vec{L} = 0$$

$$2x^{2} - 2y^{2} + 2^{2} = 1$$

$$2x^{2} - 2y^{2} - (3x)$$

$$2x^{2} - 2y^{2} - 2y^{2} - (3x)$$

$$2x^{2} - 2y^{2} - 2y^{2} - (3x)$$

$$2x^{2} - 2y^{2} - 2y^{2} - 2y^{2}$$

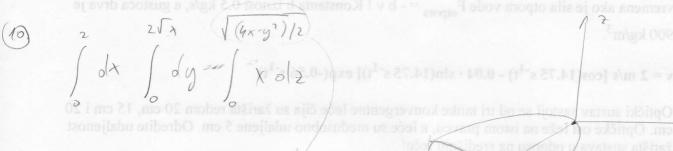
$$2x^{2} - 2y^{2} - 2y^{2} - 2y^{2}$$

$$2x^{2} - 2y^{2} - 2y^{2} - 2y^{2}$$

(2)
$$c_1 + (t_1) = (t_1)^2 u(t_1) = \frac{2!}{s!} e^{-s}$$

a)
$$f(t) = t^n \longrightarrow f(s) = \int_0^\infty e^{-st} t^n dt$$

Na vodi pliva drveni kvadar visine 5 cm i plošune osnovice 1 dm². U počemom trenutku drvo dobije brzinu 2 m/s u smjeru okoraitom na površinu vode. Napišite brzinu kvadra kao funkciju dobije brzinu 2 m/s u smjeru okoraitom na površinu vode. Napišite brzinu kvadra kao funkciju



$$2 = \sqrt{2x - \frac{y^2}{2}}$$
 | 2

$$\frac{2^2}{2}$$
 t $\frac{9^2}{4}$ = X

$$\int_{0}^{2} dt \int_{0}^{2} dx \int_{0}^{2} 4\sqrt{2} x dx = 0$$

$$\int_{0}^{2} dt \int_{0}^{2} dx \int_{0}^{2} 4\sqrt{2} x dx = 0$$

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$$= \frac{\pi}{2} \cdot 4\sqrt{2} \int_{0}^{1} \gamma \int_{0}^{2} x \, dx =$$

$$=2\pi\sqrt{2}\int_{0}^{2}\gamma\cdot\left(2-\gamma^{2}\right)d\gamma$$

$$= 2\pi\sqrt{2} \left[\gamma^2 \Big|_0^1 - \frac{1}{3} \gamma^3 \Big|_0^1 \right] =$$

$$=2\pi\sqrt{2}\left[1-\frac{1}{3}\right]=\frac{4\pi}{3}\sqrt{2}$$

$$y = 2\sqrt{x}$$
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$$\frac{2^{2}}{2} + \frac{9^{2}}{4} = 2 = 1$$

$$\frac{2^{2}}{4} + \frac{9^{2}}{8} = 1$$

$$y = 2\sqrt{2 \cdot \cos t}$$

$$2 = 2 \cdot \sin t$$