$$\int_{0}^{2} (\cos x)^{2} dx = \int_{0}^{2} \frac{\cos 2x + 1}{2} dx$$

$$= \left[ \frac{\sin 2x}{4} + \frac{x}{2} \right]_{0}^{2}$$

$$= \frac{\pi}{4}$$

$$= \int_{0}^{2} (\cos x)^{2} (\cos x) dx = \left[ \frac{\sin x}{3} \right]_{0}^{2}$$

$$= 0$$

$$= \int_{0}^{2} (\cos x)^{2} dx = \int_{1}^{2} \frac{x}{2} ((\cos x)^{2})^{2} dx$$

$$= \left[ \frac{x}{2} ((\cos x)^{2})^{2} - \int_{1}^{2} x ((\cos x)^{2})^{2} dx \right]$$

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$$= 2(\log 2)^{2} - 2(2(\log 2 - 2) - (|\log 1 - 1|))$$

$$= 2(\log 2)^{2} - 2(2(\log 2 - 1))$$

$$= 2(\log 2)^{2} - 4(\log 2 + 2)$$

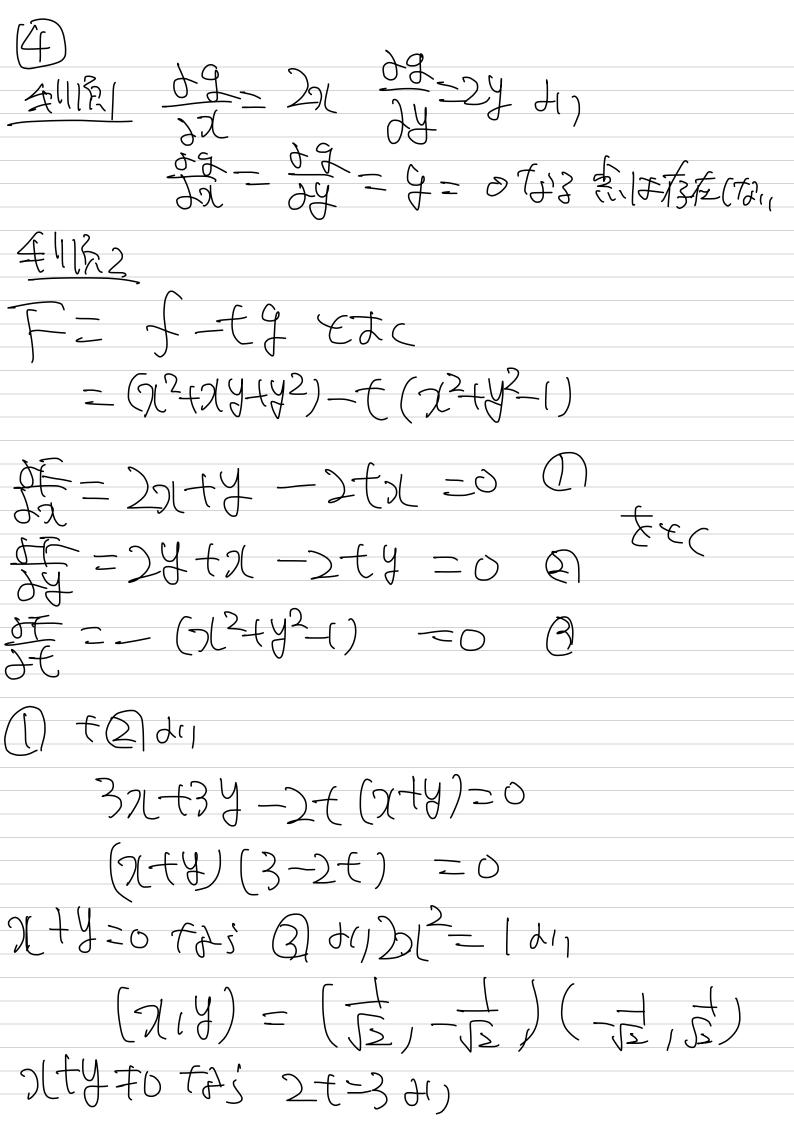
$$= (-4) \int_{-1}^{1} \frac{1}{1 + 2} dx dx = (\cos 4)^{2}$$

$$= \int_{-4}^{\pi} \frac{1}{1 + (ant)^{2}} (\cos 4)^{2}$$

$$= \int_{-4}^{\pi} dt = \int_{-4}^{\pi} dt$$

$$\begin{aligned}
\frac{1}{3} &= \frac{1}{3} + \frac{1}{3} \\
\frac{1}{3} &= \frac{1}{3} + \frac{1}{3} \\
\frac{1}{3} &= \frac{1}{3} + \frac{1}{3} \\
\frac{1}{3} &= \frac{1}{3} + \frac{1}{3}$$

B) t(x)= 12+ 14+242-44 FUZI 25 = 0636, EFXX3 222-44 AG = 2+44-4 =0 J = - 7 FILES DE= (34) (34) - (314) - 2. 4 - 12 27 = 2 >6 H 7多小适千(一5,7)  $= \left(-\frac{4}{5}\right)^2 + \left(-\frac{4}{5}\right)\left(\frac{8}{5}\right) + 2\left(\frac{8}{5}\right)^2 - 4\left(\frac{8}{5}\right)$ 



$$\begin{array}{lll}
(1) & (2$$

一点点(元元)元品(龙元元)

