

× Несмещённост: $E\hat{\theta} = E\bar{\chi} + E^{\chi_{n}} = \frac{\theta}{2} + \frac{n\theta}{6n/2}$

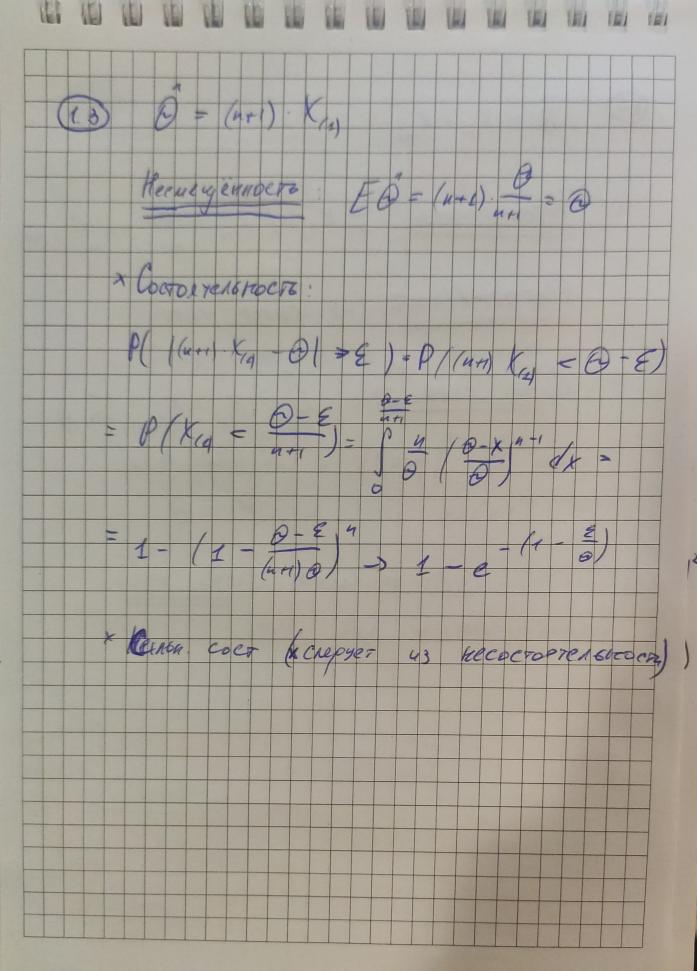
COCTORTRAGROCTE: US CUAGH. COCT.

Curon. coco.: \(\times \) \(\

Cropunoeté a.t. sul sup | Xm > 0 | Po

 $= S4p \left(\partial - \chi_{M} \right) = \partial - \chi_{M}$ $\times 2n \qquad \qquad \searrow 0$

So, gor-no ma

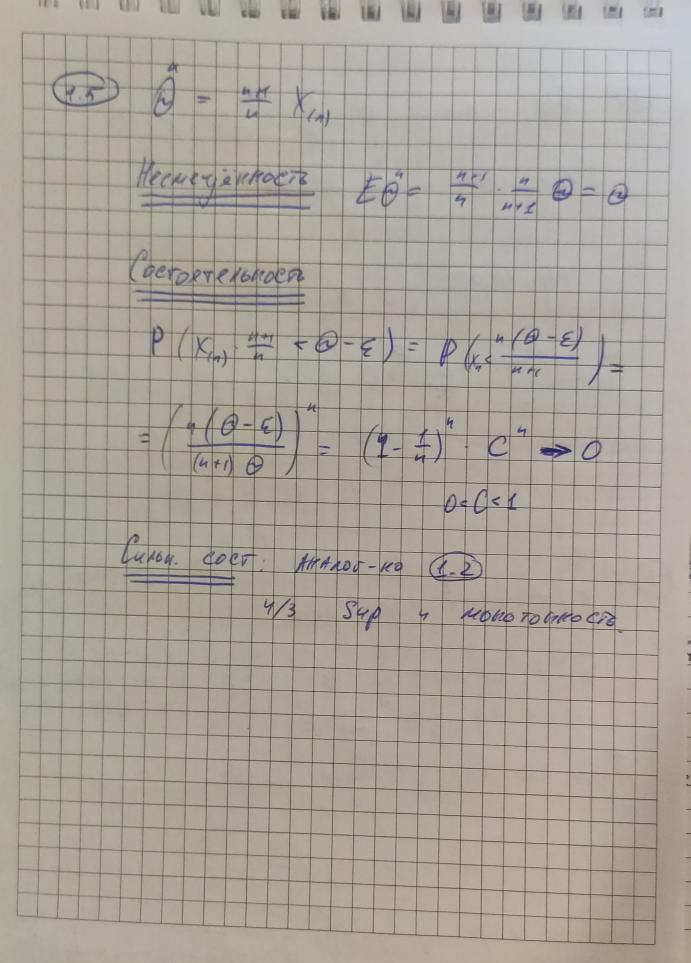


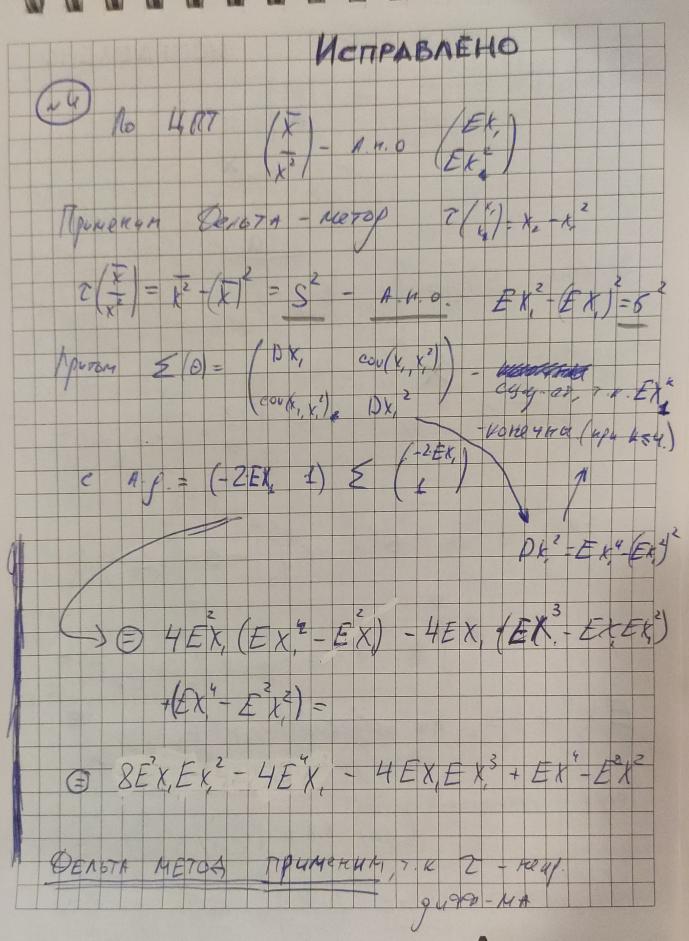
@ & = Kin + Kin

Hecneyoproco EXu + EXu = 0 + " = 0

Cocroerenteacez: (us curthe cocr)

Const. cocs-18: 0 = X11 + X111 -> 0 44.11. 4 11.11.





HETTPABLEHO

T=
$$\frac{(x^2)^2}{4|x|}^3 = f(a) |a=|x|$$
 $b=|x|^2$
 $b=|x|^2$
 $f(a) |a=|x|$
 $b=|x|^2$
 $b=|x|^2$

$$=\int_{0}^{\infty} \frac{1}{\theta} e^{-\frac{1}{\theta}} dx = +\theta \int_{0}^{\infty} \frac{x}{\theta} e^{-\frac{1}{\theta}} (+\frac{1}{\theta} dx) =$$

$$= *0 \int xe^{-x} dx = 0 \cdot x \cdot -e^{-x} \Big|_{0}^{\infty} - 0 \int 1(-e^{-x}) dx =$$

$$= \partial \int e^{-x} dx = \partial \left(-\frac{y}{e} \right)^{\infty} = \partial e^{-x} = \delta$$

$$EX_{i}^{2}=20^{2}$$
, An exercise por ea)

 $E(x_{i}^{2}=20^{2})$, An exercise por ea)

 $E(x_{i}^{2}=k!\theta_{i}^{2})$

$$= \frac{\partial}{\partial x} \int_{0}^{\infty} e^{-x} dx = \frac{\partial}{\partial x} \left(-\frac{\partial}{\partial x} \right) \frac{\partial}{\partial x} dx$$

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$$f(\frac{M}{X^2}) = T - Ano. f(\frac{0}{20^2}) = \frac{404}{40^3} = 0, 4.7.9$$

