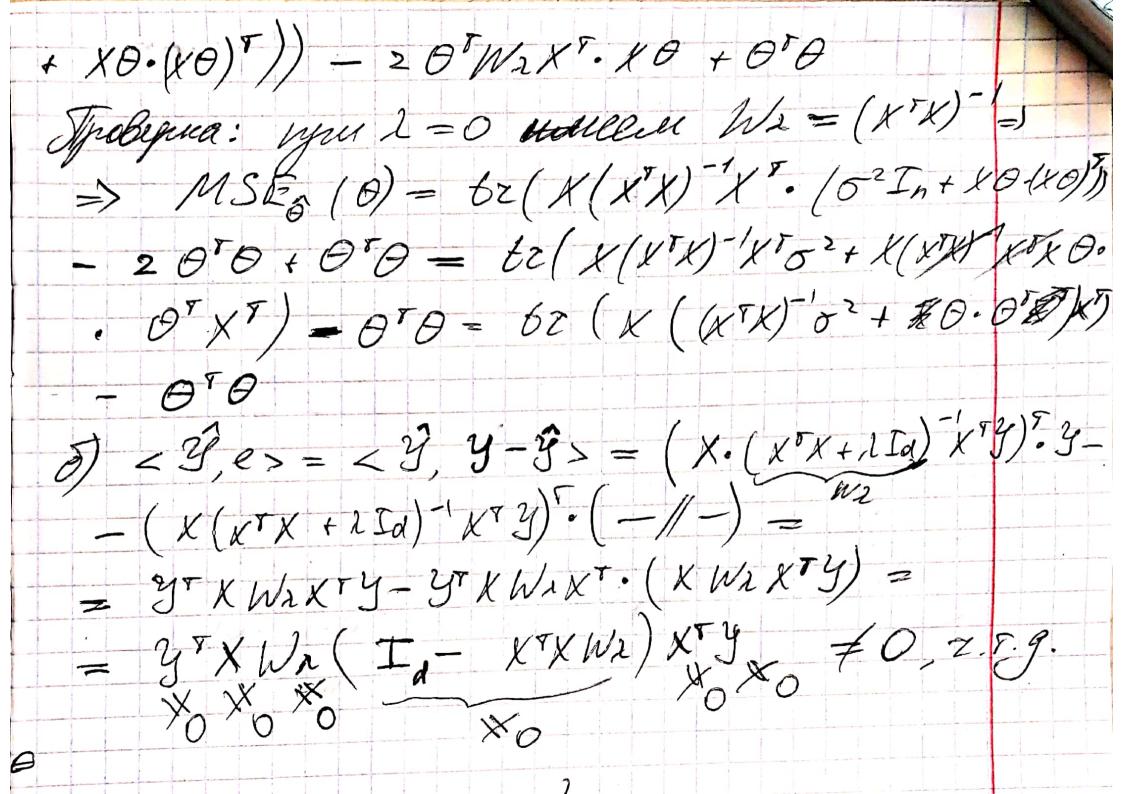
3.2eV1 а) Как доно показано на мекции, 0 = (X X + 2 Id) -1 X 73 Torga MSE (0) - II (0-0) T (0-0)] = = I[0 0 - 2 0 0 + 0 0] = = IE [35 X (X FX + 2 Id) (X FX + 2 Id) X FY -2 ((XTX+) Id)-1XTY 0 + 0 0] = = #[y x W2 x 5 y - 2 \$ 0 . WXX 8 Y & 0 0] = E[fo (xwax . y y) - 20 Wxx y + 0 0]= = tz (xwix T. [[y]) - 20 Wx TE[3] +0 03 = \(\frac{1}{2} \text{ \text{multiple pronouncervier}} \) \(\frac{1}{2} \text{ \text{multiple pronouncervi = 62 (XW2X*. (Cov y + (Ey) - Ey) - 20 W2X X θ + ΘΘ = 62 (X W2X*. σ² + (Xθ). Xθ) - 20 WXX θ Of a varsee T.K. Covy = FE[(y-Ey)(y-Ey)]= = E[yy-2](Ey)+ Ey(Ey)]] = € 62 (XW2X. (Cov y + 2E3(Ey) - Ey(Ey)))-- 20 Wax EY + 0 0 = to (XWXX 0 (02) n+



3.2.002 O Gearala ogueneupruous alyears: θ $P_{z_{2}z_{2}}(p) = argnia \left(\frac{1}{2}(z-p)^{2} + 2z^{2}\right)$ g(x,p)=x-p+22x g(x,p)T.u. 20 = PEzz (p) (=) 06 p = 06 29 x0, p) uilleur: 0 € 29(xo,p) => 0= xo-p+21x (0) (=) $x_0 = \frac{p}{1+22} - beerga J-r, r.k. <math>l \ge 0$. => P21x2 (p) = f+21.

To 3-6-105 C rekeying recui & - pein-e F(0)+2R(0) -> min, 70 0= PZ20 (0-VF(0)) B npegnocionesici, vo cero ex-16 de LETER, CLEADER, MILLELEM: $O_h - \nabla F(O_h)$ $= O_h - V // 3 - X \overline{O_h} // 2$ $= 1 + 2 \lambda , 2ge \overline{O_h} = (O_h) = h - d$ = h - d $= O_h + 2 y^{\tau} \cdot [X]_{R} - 2O_h = 2 y^{\tau} \cdot [X]_{h} - O_R$ $= 1 + 2 \lambda$ $= 1 + 2 \lambda$ $= 1 + 2 \lambda$ Mucroul. augrenois PZ 111243 (p) = arguin (2. · (|2-p//2 + 2 1/sc//2) = argmin (= 5 (xi - pi) + $+22xi^2=(...,P_{2xi^2}(p_i),...)^T$ Cb-ba" 2: 1) Freevere or racco-prepresses Brown 750 Et Wepensen nilabriore, F.K.
net zangelnen De; acujé ex-R Soule Soutpas 2) Ca-76 reowerpweenane, F.K. 6 spaneenarene manger pag (9+22) crows > ngu 2 > 20 oreno obierpo On -> 0, a npu 2-0 nouyearres praguentions chyck gul F(0).