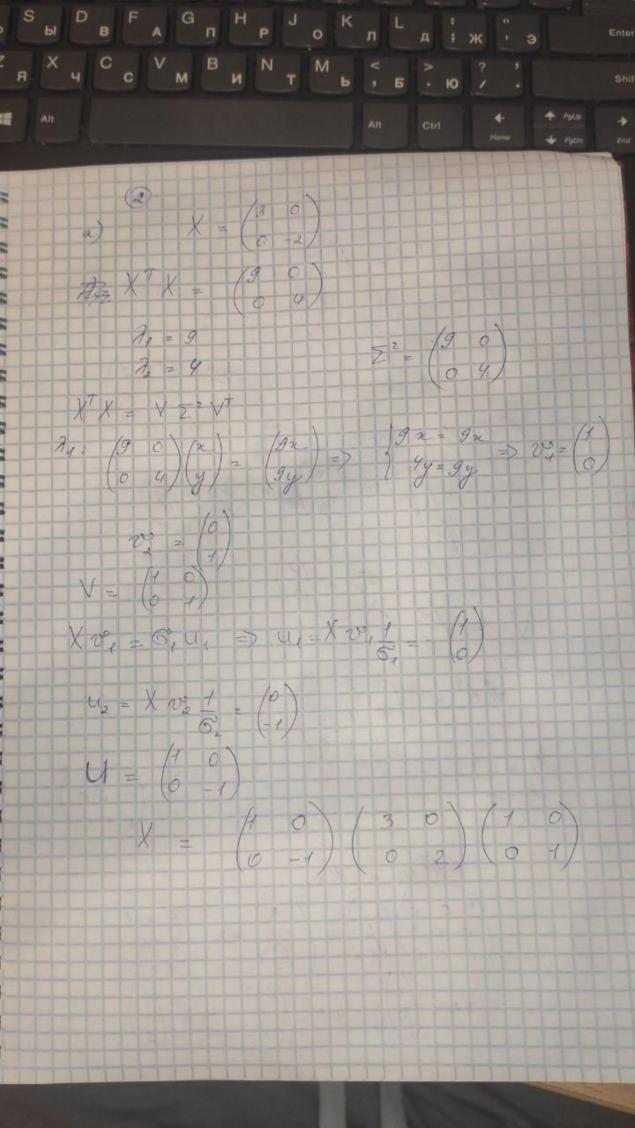
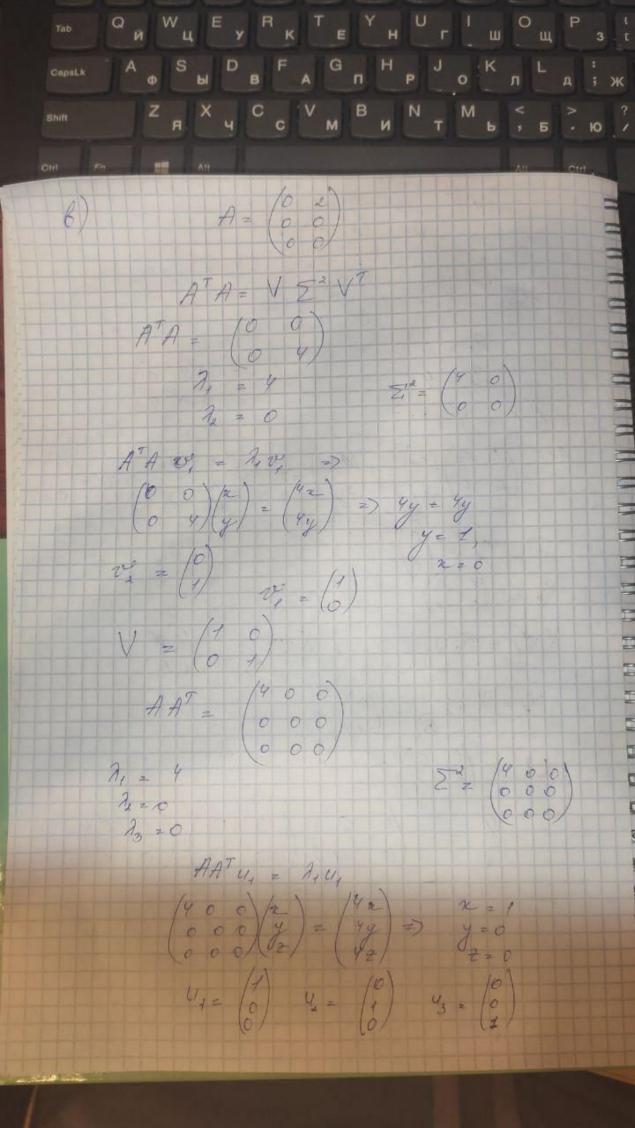
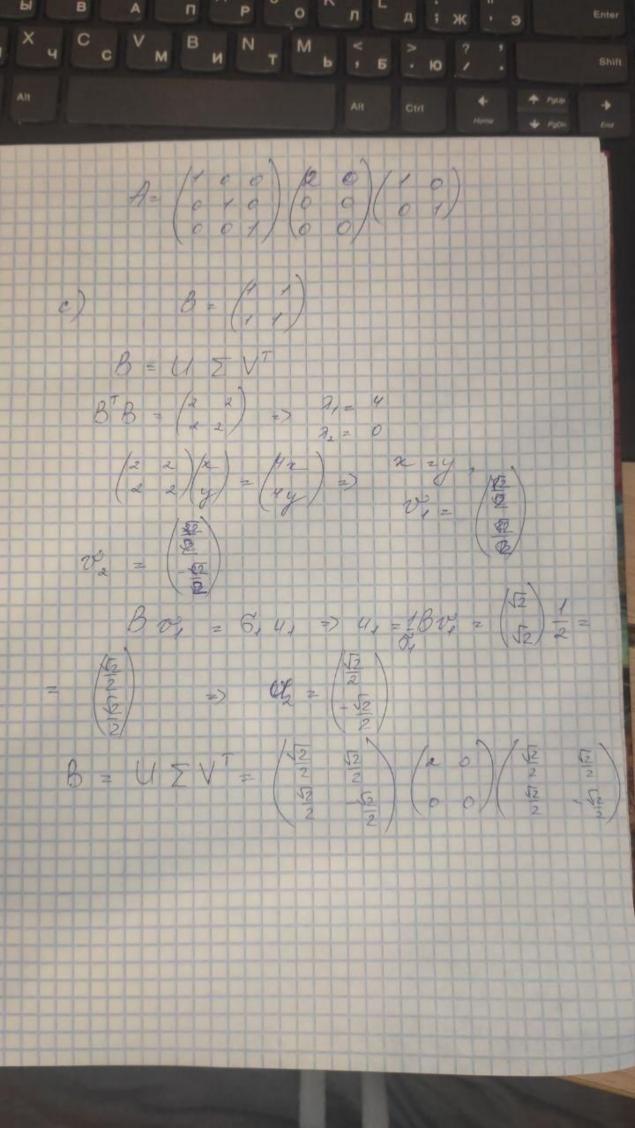
1 x 1 = 5m 1 x 1 s to m guerror in $\frac{\alpha - 60}{11 \times 11_2} = \frac{1}{2} \times \frac{2}{11} , \quad || x ||_{\infty} = \frac{max |x_i|}{2}$ 1 x 1 2 2 2 4 m (max 1x) = Jm max (x; = 1 x1) Thomas maericumus: $k = \sqrt{3} \cdot \ell$ $\chi = \sqrt{4}, \quad m = 3,$ $||\chi||_{2} = 1, \quad ||\chi||_{2} = 1 \Rightarrow \sqrt{3} = 3.1.$ 11 All 00 4 5h 11 All 2 11 All = max 2 a,) 11 A 1/2 = Sup 11 A 2/2 11 All = 2 Sup 11 x11 = 4 Sup In 11 H2/120/ < Sup In 11And 12 = 52 1/41/2







(T) = X (XTX)-1 = UZVT(UZTUTUZVT)= = UZVT(VZTZVT)-1= UZVTVZ-16T)-1VT= U(ET)-1VT f(XXT+I) = (XXT+I)-1 X (XT(XXT+I)-1X)-1 (M Z W + I) - 1 M Z V T (W Z TIT (WZ W + 1) 1. UZVT)-1=(UZ'UT+I)-1UZVTVZ-1UT. (U E 2 UT + I) U (ET) - 1 VT = U (ET) - 1 VT f(I)= f(XXT+I)