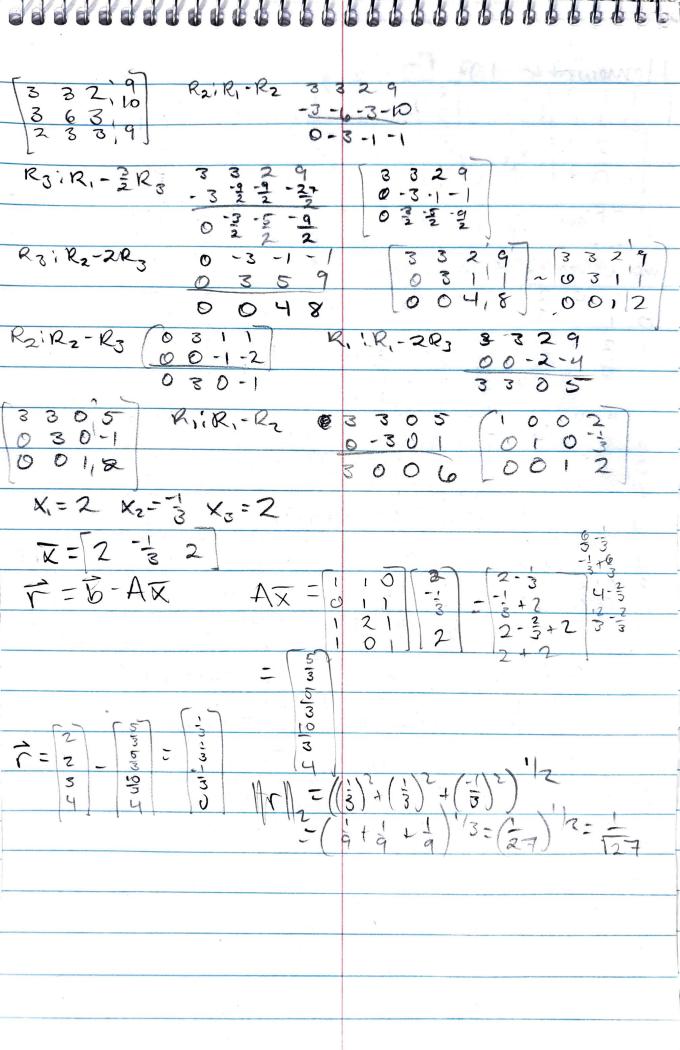
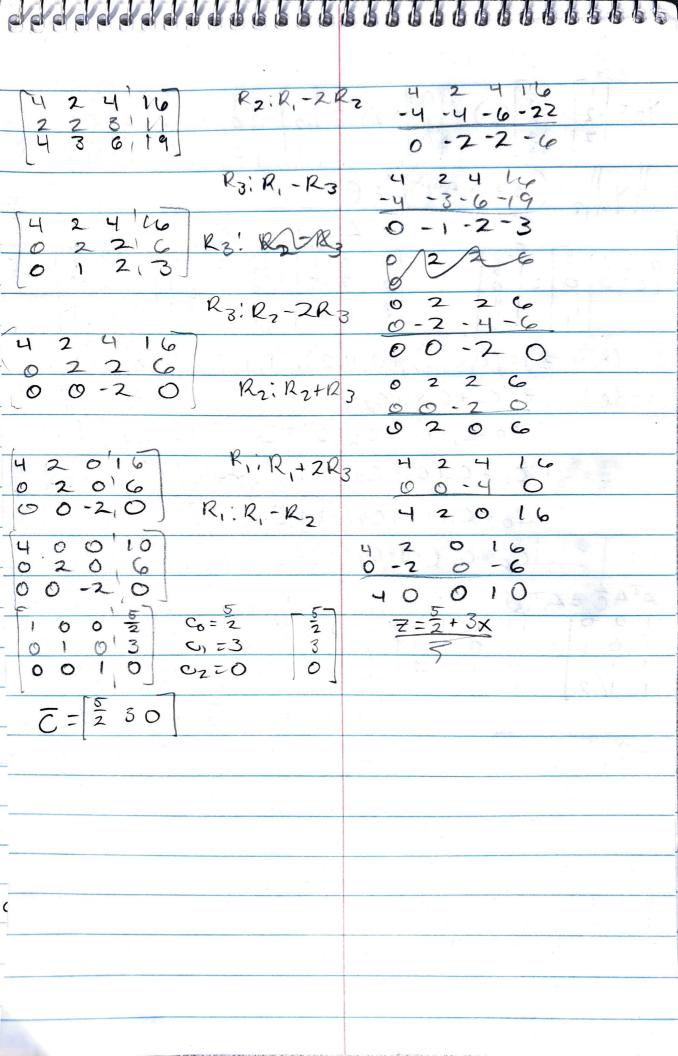
Homework 10 X2+X2 = 2 x, 12x2 +x3 = 3 x, +x3=4  $\times$ ,  $+ \times_2 = 2$ more oys than ramables X2+X3=2 X2=2-X more variables than equations x2=2-x3 1 0 2 R3: R-R3 0 1 112 x2+x3=2 x3=2-x2 1×1+x3=4 x3=4-x, 0-1-1-1 X1=2-X2 2X=4 X, = 4-X, x=2 1102 Ryik, Ry 1102 R3: R2+R3 0112 0 1 0-1-1-1 0001 0 1 -1 -2 1102 0112 002 0001 1+0+1+1 1+0+2+0 0+0+121 - 1+0+2+0 1+1+U+O 0+1+2+O 20 0+0++1 0+1+2+0 0+1+1+1 3 2 3 2+0+3+4 ATD = 1011 22 2+2+6+0 0+2+3+4 01111 3 3 2 X. 3 6 3 X2





rough model of power outpost fit to f(+) = C, + c2 c052+++ C38M2+++ C4 C084++ 0 6+65 writedown the resulting (1,2726),(2,2772), (3,2912),(4,2702) (5,2682)  $C_1 + C_2 \cos 2\pi(1) + C_3 \sin 2\pi(1) + C_4 \cos 4\pi(1) = 2726$   $C_1 + C_2 \cos 2\pi(2) + C_3 \sin 2\pi(2) + C_4 \cos 4\pi(2) = 2772$   $C_1 + C_2 \cos 2\pi(3) + C_3 \sin 2\pi(3) + c_4 \cos 4\pi(3) = 2912$ C, + C2 cos 2+1(4) + c3 sm2+1(4) + C4 cos 4+1(4) = 2702 C, + C2 COS2 TT (5)+ C3 SUN2TT (5)+ C4 COS4TT (5)=2682 C,+C2COS2N(0)+C35Nn2N(0)+C4COS4N(0)=0