Lect 4x+31 Problems

Sald vectors are all VIV where not equals zero due to V2-8 having earned 15 and -15. V2 Vn foor n72 = 0 by monthing the top15 and -0 without errlug 1/3 Vn from 13 = d for the some reason, then and all equal 20, Vi Vs = 0 for 12, thus orthogonals to make althonormy, divide by length: V' = 1/18 V1, V2 = V2/18, V3 = 11/1 V3/14, V4= V4/14, $V_5' = V_5/\sqrt{2}, V_6' = V_6/\sqrt{2}, V_7' = V_7/\sqrt{2}, V_8' = V_8/\sqrt{2}.$

Problem Z:

Consider

[1 0] [0 1] [0 0] [0 1]

and

[1 1] [1 1] [1 1]

The former is better for all purposes.