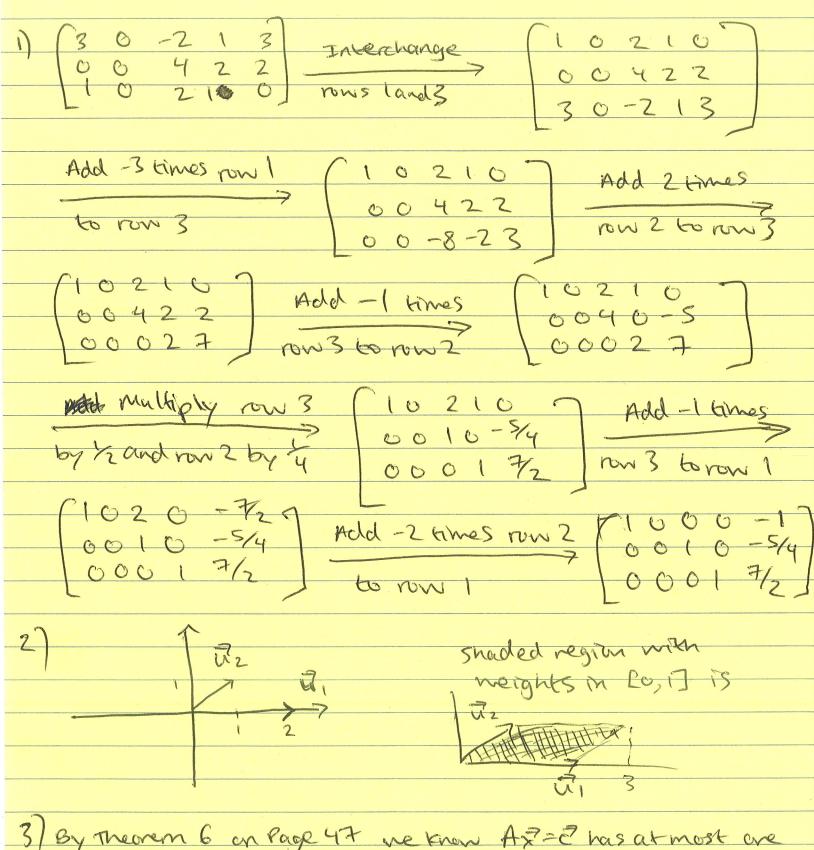
MATH 520 PROBLEM SET 2 SOZUTIONS SPRING 2017 BROWN UNIVERSITY



3) By Theorem 6 on Page 47 we know AZ=2 has at most one solution (the only solution to AZ=2 is X=2) Also AZ=2 has exactly one solution as the reduced educed educed point looks like [100] where the dots depend on what 2 is.

49) 3 de represents non much more A produces in 3 days
4b) At + B7 = [150] where A, resp. B, is the number of days mine A, resp. mine B should operate.
[2825] of days mine A, resp. mine B
40) Another way to make write the above is
Solve this by performing now operations on [it] 1500 to obtain the REF:
20 30 150 Multiply 1 3/2 15/2 1550 500 2825 by 1/20 550 500 2825
) 09 120 300 300 12825
Add -550 times row 1 3/2 15/2 7 1 to row 2 0 -325 -1300
1 to row 2 0 -325 -1300
multiply row (13/2 15/2) Add - 3/2 times
2by - 325 LOI 4 Jrow 2 to row 1
(10 3/2) => mine A needs a day and a half,
[014] unite mine Breeds 4 days.