

### HOMEWORK 3 - DUE FRIDAY, OCT. 15

- Strang Problems** i) 2.2.7, 2.2.9  
ii) 2.3.2, 2.3.3, 2.3.4, 2.3.6, 2.3.7, 2.3.12, 2.3.14, 2.3.18, 2.3.22  
iii) Find the dimension of and bases for  $\text{rowsp}(A)$ ,  $\text{colsp}(A)$ , and  $\text{nullsp}(A)$   
where  $A$  are the matrices in 2.4.3