unlegs 5 pecual arrangement Exam 1. on Friday Sept 24 in person at the usual class room. A-1 = f-1(e1) f-1(e2) ... f-1(en) How to find file), filez, and so on... If f(x) = y then by definition f'(y) = x· Vertical line test gueans only one solution for each equation $f(x) = e_k$ for each k. . There needs to be at least one solution as well ... Solve f(x)=e1 use augmented matrix... >> f(x)=Ax A (e, Az=e1 row operation to construct the reduced row eschelon form Solve f(2) = e2

and do the same thing again really is the same, be cause the private depend on A and A is the sume each time Only one solution and at least one solution). solving for x each row has a pirot means at least as many cols as rows no free variables means no more cols than rows. conclusion A must be square it its to have an involve... augmented Matrix e, ec Make reduced 1000 eschelor form. 1 -2 1 1 0 0 0 7 4 -7 3 0 1 0 0 1 0 13= 13-21 This system is inconsistent...so there is no inverse...for an example where there is an inverse please look at the 10am notes (which we also discussed in class)... There are further examples in the

There are further examples in the textbook...