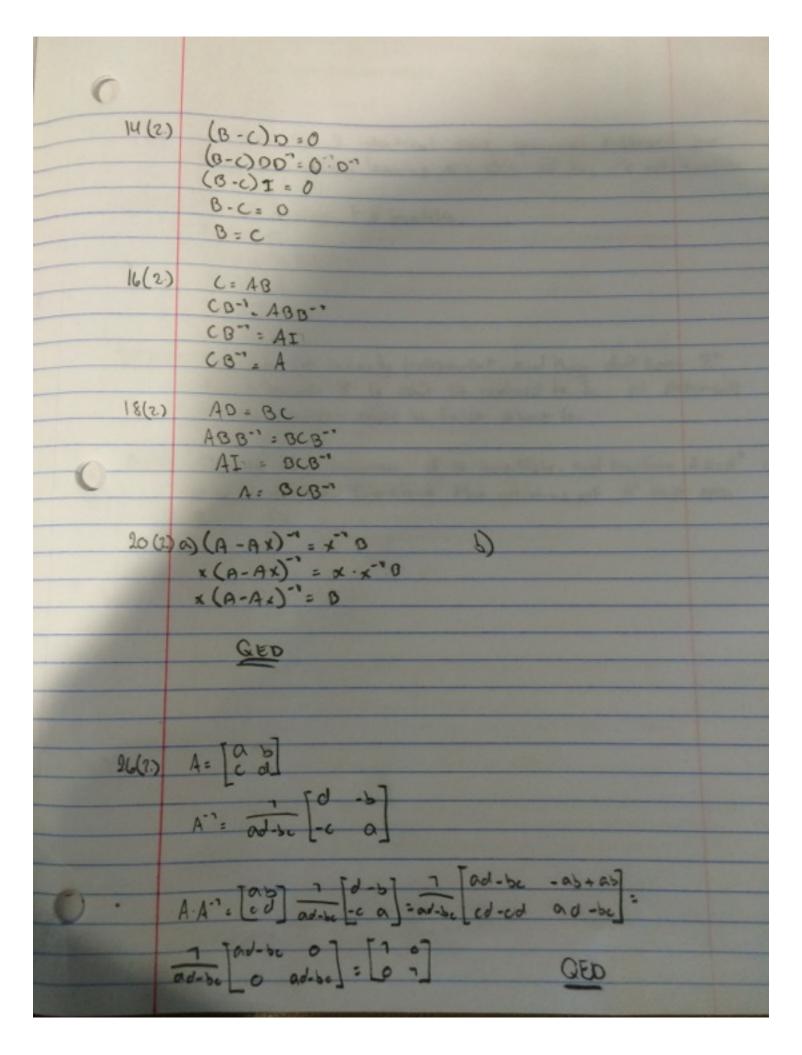
CS132 HW6 Aleksander Stgælsvik 16 (1) a) True, that's how it is ... b) False, no + signs c) True, (A) = (AA) = A'A' = (A') dy False, the order is wrong (ABC) = CBFAT e) True, because of theorem 3 It's also all zero's 18(1) 20(1) They are also equal ( 22(1) If they are dependent, there is not only the trivial solution Bx = 0, but we can multiply both sides by A and get ABi = 0. So AD is also linearly dependent. 24(1) First find independent columns (by row reduction), then build a new 323 matrix with those columns, 28(1) U'v = (U'V)) = V'(U+)+ = V'U (UV)+= (V+)+U+= VU+ URS Ab = I multiply both sides by 5 26(1) (AD) = (I) 5 A(06) = 5 Twould cause an inconsistent system. Db = \* = b not enough pivots!



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18(3)	If there are 2 identical rows, you can subtract one
	from the other, leaving all O's If so, it's not invetible
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
22(3)	EF-T . L. E
	- implies 1 3 inversie
	FEF: F
	Feft" * ff"
	FEI=I
	FE:I
24 (3.)	They are at 1 miles of the 14 discourage
	They are not linearly independent, and they don't span R",
	this is because if a court be realized to Fm, all statements
	of the theorem must be calse about to.
26(3)	Due to the theorem, A is invertible, and therefore A.A:A' is
	also invotible. Therefore the columns of A2 must span
	2"
	X.
-	The second secon
24(3.)	
	The state of the s
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