3.2 Homework

1. A -> B (swap rows) then

det B = -det A

2. No change 7 row repacement operation

3. Thm 3(v) det(M) = Kolet(N)
when k is a scalar of row
in M

5. | 15 - 4 | | 15 - 4 | | -1 - 4 | | 5 - 4 | | -1 - 4 | | 5 - 4 | | -2 - 8 | | 7 | | 0 | | 0 | | = |

1.1.3=3

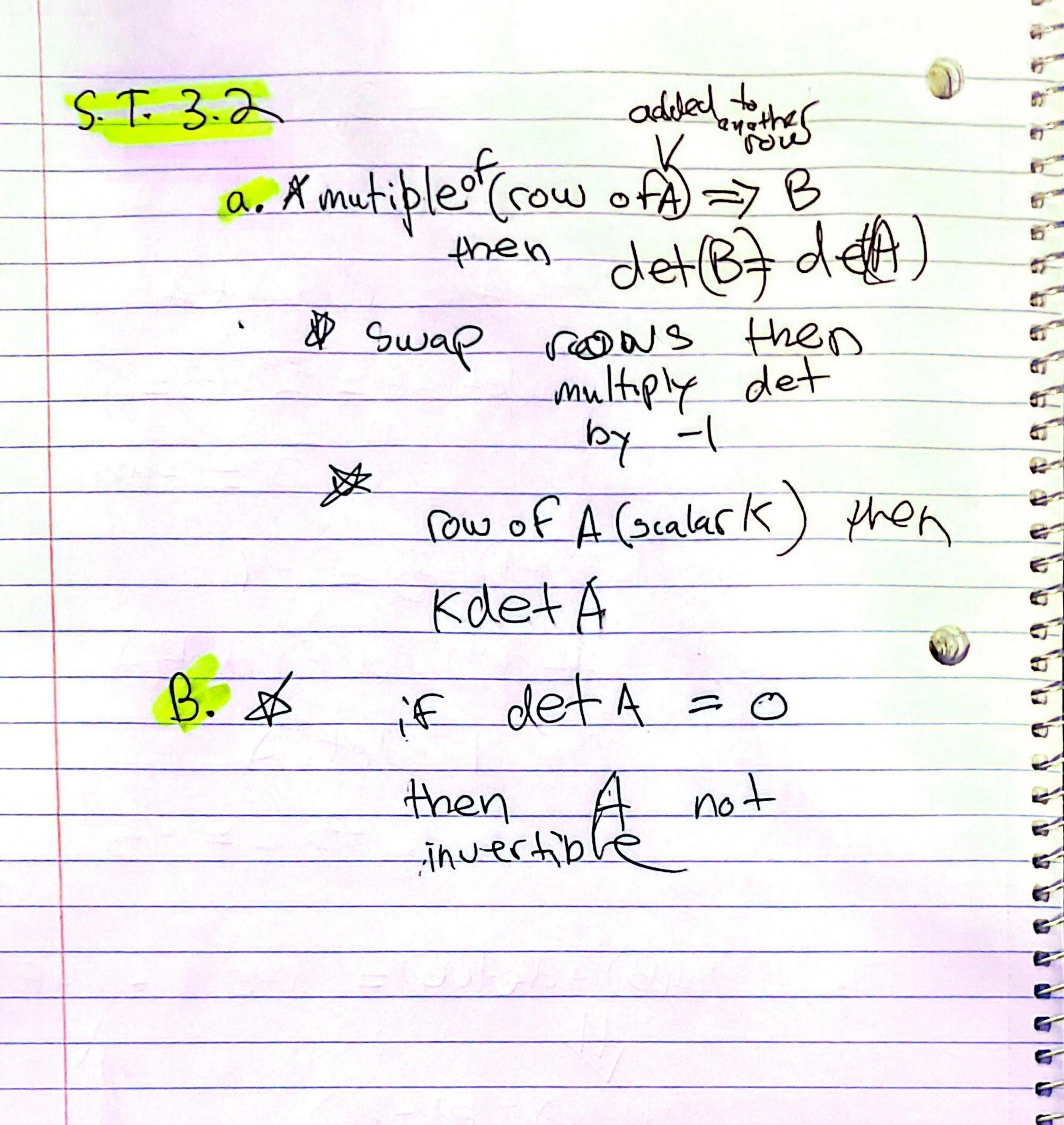
9. 1-1-30 1-1-30 0 1 5 4 0 1 5 4 1 0 5 3 0 0 7 7 3 -3 2 3 0 0 0 4

1 - 7 - (-4) = -28

Det A = 2 32 - 6 32 2(6-18)-6(2-6)=0 not invertible linearly malepenologi AA"=I det(AAT) = det(I) det (A) det (A-1)=

$$40.$$
 a. $(-3)(-1) = 3$

$$d_{o} \left(-3\right) \left(-1\right) \left(-3\right) = +9$$



4)