(1) Compute determinants in problems 9,11 of section 4.2 **using elementary row operations**.

You are not allowed to use the row expansion formula for computing determinants.

(2) Prove that $\det(\bar{A}) = \overline{\det A}$.

You are not allowed to use the row expansion formula for computing determinants in the proof.

Hint: Define $f(A) = \overline{\det(\bar{A})}$. Verify that this function must be equal to det using the definition of the determinant given in the lecture.