

## **Homework 08 grading guidelines**

Problems 1 to 5

25 points

- 15 points for the correct mapping reduction.
- Minor mistakes will cost around 5 points.
- 15 points for proving undecidability using the mapping reduction.
- You will lose points if the claim is trivial, i.e. based on null strings ( $W = W^r$ ).
- For co-Turing recognizability you must prove that both the regular TM & its complement are not Turing recognizable
- You can cite class work as valid proof.