

## Multiple choice: Example!

**NB!** Mark your answers by filling a circle: ●. If you regret your answer then: Cross out the old circle and draw an empty circle next to it.

**NB!** Each correct answer gives a score of +1. Each wrong answer gives a score of −1.

**NB!** Please do not write anything (besides your answer) on the answer sheet.

1. Which of the following matrices are nilpotent

☐  $A = \begin{pmatrix} 1 & 3 \\ 0 & -1 \end{pmatrix}.$

☐  $A = \begin{pmatrix} 1 & 1 \\ -1 & -1 \end{pmatrix}.$

☐  $A = \begin{pmatrix} 0 & 3 \\ 0 & 0 \end{pmatrix}.$

☐  $A = \begin{pmatrix} 1 & 0 \\ 3 & 1 \end{pmatrix}.$

Mark your answer(s) by filling a circle.