A matrix is denoted $\boldsymbol{M}$. The inverse is denoted $\boldsymbol{M}^{-1}$.

$$\boldsymbol{A}\boldsymbol{A}^{-1} = \textcolor{red}{\boldsymbol{I}}$$

Glossary

identity matrix (I) a diagonal matrix with all diagonal elements equal to 1
and all other elements equal to 0. 2, 3

matrix (M) rectangular array of values. 1, 3
matrix inverse (M^{-1}) a square matrix such that $MM^{-1} = I$. 1