

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

$$\mathbf{A}\mathbf{A}^{-1} = \mathbf{I}$$

## Glossary

**identity matrix** ( $I$ ) a diagonal matrix with all diagonal elements equal to 1 and all other elements equal to 0. [2](#)

**matrix** ( $M$ ) rectangular array of values. [1](#)

**matrix inverse** ( $M^{-1}$ ) a square **matrix** such that  $MM^{-1} = I$ . [1](#)