

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

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

Compare  $\mathbf{A}_{[0]}$  with  $\mathbf{A}_0$ .

## Glossary

**identity matrix** ( $\mathbf{I}$ ) a diagonal matrix with all diagonal elements equal to 1 and all other elements equal to 0. 1

**matrix** ( $\mathbf{M}$ ) rectangular array of values. 1

**matrix inverse** ( $\mathbf{M}^{-1}$ ) a square **matrix** such that  $\mathbf{M}\mathbf{M}^{-1} = \mathbf{I}$ . 1