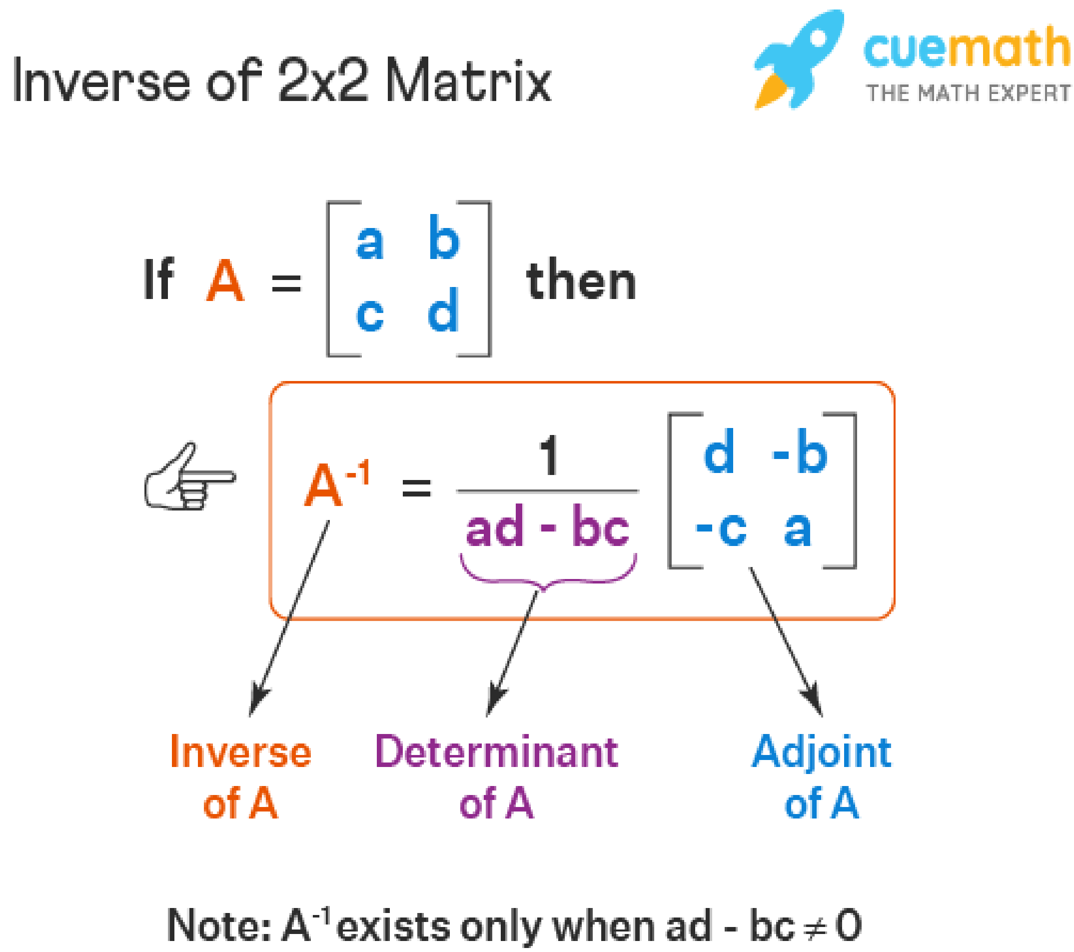


**Matrix $A^{-1}$ =**

$$\begin{pmatrix} a & b & c \\ d & e & f \\ g & h & i \end{pmatrix}^{-1} \quad \text{(matrix inverse)}$$

=

$$\begin{pmatrix} \frac{fh-ei}{-aei+afh+bdi-bfg-cdh+ceg} & \frac{ch-bi}{aei-afh-bdi+bfg+cdh-ceg} & \frac{ce-bf}{-aei+afh+bdi-bfg-cdh+ceg} \\ \frac{fg-di}{aei-afh-bdi+bfg+cdh-ceg} & \frac{cg-ai}{-aei+afh+bdi-bfg-cdh+ceg} & \frac{cd-af}{aei-afh-bdi+bfg+cdh-ceg} \\ \frac{eg-dh}{-aei+afh+bdi-bfg-cdh+ceg} & \frac{bg-ah}{aei-afh-bdi+bfg+cdh-ceg} & \frac{bd-ae}{-aei+afh+bdi-bfg-cdh+ceg} \end{pmatrix}$$

Note that there are only 2 common denominators in each matrix element $\pm D$, where

D = ceg – cdh – bfg + bdi + afh – aei, and D $\neq$ 0.