

QUESTION

Express  $(\mathbf{AB})^{-1}$  in terms of the matrices  $\mathbf{A}^{-1}$  and  $\mathbf{B}^{-1}$ .

ANSWER

$$(\mathbf{AB})^{-1} = \mathbf{B}^{-1}\mathbf{A}^{-1}$$