“If A and B are n x n matrices AB = BA = In, then B is called the inverse of A (this terminology is appropriate because such a matrix B is unique) and A is said to be invertible. The notation B = A^-1 denotes that B is the inverse of A.”

**Show that**

2 3 -1

1 2 1

-1 -1 3

**Is the inverse of**

7 -8 5

-4 5 -3

1 -1 1