

Name _____

Mathematics 205: Linear Algebra
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Quiz #13
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Use the matrix equation below to find formulas for the matrices X , Y , and Z in terms of the matrices A , B , and C . Assume that A is square and has an inverse. 0 denotes the matrix of all zeroes. I denotes the identity matrix.

$$\begin{bmatrix} A & B \\ 0 & I \end{bmatrix} \begin{bmatrix} X & Y & Z \\ 0 & 0 & I \end{bmatrix} = \begin{bmatrix} I & 0 & 0 \\ 0 & 0 & I \end{bmatrix}$$