

Name _____

Mathematics 205: Linear Algebra
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Quiz #11
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Suppose $A = \begin{bmatrix} 1 & 2 \\ 3 & 7 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 \\ 3 & 6 \end{bmatrix}$.

A. Calculate AB .

B. One of A and B has an inverse and the other doesn't. Calculate the inverse for the one that has an inverse and explain why the other doesn't.