

Name: _____

Math 2250, Fall 2015, Quiz 4

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Let

$$A = \begin{bmatrix} 2 & 0 & -1 \\ 0 & 3 & 1 \end{bmatrix} \quad \text{and} \quad B = \begin{bmatrix} 5 & 7 \\ 1 & 3 \\ 6 & 1 \end{bmatrix}$$

1. A gives a linear transformation $\mathbf{R}^3 \rightarrow \mathbf{R}^2$. What linear transformations do B , AB and BA give?
 2. Compute AB and BA .
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