Pre Calculus - Algebra of Matrices

Find, if possible,  and . If not possible explain why.

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| 1. ,  | 2. ,  |
| 3. ,  | 4. ,  |
| 5. ,  |  |

Find, if possible, AB and BA. If not possible explain why.

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| 6. ,  | 7. ,  |
| 8. ,  | 9. ,  |

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