Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_

**Unit 17 Review**

1. Perform the following operations on the given functions.

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| 1. Let and . | | | |
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| 1. Let and . | | | |
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| 1. Let and . | | | |
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| 1. Let and . | | | |
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| 1. Let and . | | | |
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| 1. Let and . | | | |
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1. Review

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| 1. Simplify: | 1. State the dimensions of the following matrix: |
| 1. Factor: | 1. Solve: |
| 1. Simplify: | 1. Simplify: |
| 1. Find the number and type of solutions for the following quadratic equation using the discriminant: | |

**Answers**