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

## Unit 10 Review

1. Analyze the following quadratic functions.

|  |  |
| --- | --- |
| 1.  Vertex:  Axis of Symmetry:  Max or Min Value:  Domain:  Range:  X-Intercepts:  |  |
| 2.  Vertex:  Axis of Symmetry:  Max or Min Value:  Domain:  Range:  X-Intercepts:  |  |
| 3.  Vertex:  Axis of Symmetry:  Max or Min Value:  Domain:  Range:  X-Intercepts:  |  |
| 4.  Vertex:  Axis of Symmetry:  Max or Min Value:  Domain:  Range:  X-Intercepts:  |  |
| 5.  Vertex:  Axis of Symmetry:  Max or Min Value:  Domain:  Range:  X-Intercepts:  |  |
| 6.  Vertex:  Axis of Symmetry:  Max or Min Value:  Domain:  Range:  X-Intercepts:  |  |

1. Factor the following polynomials using greatest common factor.

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1. Factor the following polynomials using difference of two squares.

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| --- | --- |
| 1.
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|  |  |
|  |  |

1. Factor the following polynomials.

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| --- | --- |
|  | 1.
 |
|  | 1.
 |

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| --- | --- |
| 1.
 | 1.
 |
| 1.
 | 1.
 |
| 1.
 | 1.
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| 1.
 | 1.
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| 1.
 | 1.
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**Answers**