Quiz 4.3 REVIEW Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Identify the Key Elements from Factored Form**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factored Form | Zeros | A.O.S. | Vertex | Min/Max? |
| 1. |  |  |  |  |
| 2. |  |  |  |  |

**Multiply from Factored form to STANDARD FORM**

|  |  |
| --- | --- |
| Factored Form | Standard Form |
|  |  |
| 3. |  |
| 4. |  |

**Identify the Key Elements from Vertex Form**

|  |  |  |  |
| --- | --- | --- | --- |
| Vertex Form | Vertex | A.O.S. | Min/Max? |
| 5. |  |  |  |
| 6. |  |  |  |

**Multiply from Vertex form to STANDARD FORM**

|  |  |
| --- | --- |
| Vertex Form | Standard form |
| 7. |  |
| 8. |  |
| 9. |  |

**In 10 – 12, all equations in this group are in which form? (Circle One)**

Standard Form Vertex Form Factored Form

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Equation | intercept | Axis of Symmetry | Vertex | Opens up or down? |
| 10. |  |  |  |  |
| 11. |  |  |  |  |
| 12. |  |  |  |  |

**In 13 – 15, all equations in this group are in which form? (Circle One)**

Standard Form Vertex Form Factored Form

|  |  |  |  |
| --- | --- | --- | --- |
| Equation | Vertex | Axis of Symmetry | Max or Min? |
| 13. |  |  |  |
| 14. |  |  |  |
| 15. |  |  |  |

**In 16 – 18, all equations in this group are in which form? (Circle One)**

Standard Form Vertex Form Factored Form

|  |  |  |  |
| --- | --- | --- | --- |
| Equation | Roots/Zeros | A.O.S. | Vertex |
| 16. |  |  |  |
| 17. |  |  |  |
| 18. |  |  |  |

In 19 – 21, multiply the binomials. Show your work.

19. (x + 6)(x – 9) 20. (2x + 5)(x + 7) 21. (3x – 2)(4x – 5)