**4A.2 – Notes & Practice - Radical Characteristics Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**GSE Algebra II Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Sketch the graph and fill in the chart for each. Make a chart of your points by each graph.**

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

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

 |

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior:  |

1.
 |
| 1.

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

    | 1.

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

  |
| 1.

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

 | 1.

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

 |
| 1.

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

 | 1.

|  |  |
| --- | --- |
| Starting Pt: | Inc or Dec: |
| Domain:  | Range: |
| Abs. Max or Abs Min: |  |
| End Behavior: |

 |
| **Write the equation of the radical with the given transformations.** |
| 1. Compressed vertically by ¼ , reflected over the y-axis, left 4, and down 72.
 | 1. Stretched horizontally by 7, reflected over the x-axis, right 13, and up 42.
 |