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

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

 **Sketch the graph and fill in the chart for each of the following. Describe the transformation beside the graph.**

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

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

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

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| 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.
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