**Algebra 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Characteristics of Radical Functions Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_**

**Identify the characteristics for each function.**

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| --- |
| **1.)**    **Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y-intercept: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Increase: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Decrease: \_\_\_\_\_\_\_\_\_\_**  **Absolute Maximum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Absolute Minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **End Behavior:** |
| **2.)**    **Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y-intercept: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Increase: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Decrease: \_\_\_\_\_\_\_\_\_\_**  **Absolute Maximum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Absolute Minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **End Behavior:** |
| **3.)**    **Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y-intercept: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Increase: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Decrease: \_\_\_\_\_\_\_\_\_\_**  **Absolute Maximum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Absolute Minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **End Behavior:** |
| **4.)**    **Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ y-intercept: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Increase: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interval of Decrease: \_\_\_\_\_\_\_\_\_\_**  **Absolute Maximum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Absolute Minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **End Behavior:** |