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

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

**Identify the characteristics for each function.**

|  |  |
| --- | --- |
| **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:** |