**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:**  |