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

**HW - Graphical Analysis Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The graph of *a cubic function* is shown.**



**Answer each, using the appropriate notation when requested. You may round values to the nearest tenth.**

1. Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (interval notation)

2. Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (interval notation)

3. Local Maximum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ordered pair)

4. Local Minimum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ordered pair)

5. For the **interval** (-1, 1), is the function increasing , decreasing or neither ?

 (circle your choice)

Don’t forget to complete the book page of Homework, too: Page 22, #23 - 31 odd. Show all work and circle your final answer.