Algebraic Reasoning

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Per:\_\_\_\_\_

POINTS:\_\_\_\_

Homework #19 Quiz

**Be sure to include your work when appropriate.**

**Describe the transformation of the cubic parent function, f(x) = x3, that will result in the graph of the cubic function given.**

1. g(x) = -3(x)3 + 4

2. g(x) = -(-6x + 5)3 – 3

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**Identify the domain, range, relative minimum, relative maximum, x-intercept, and y-intercept of the cubic function described by the equation and the graph. Write the domain and range as intervals.**

4.



5.



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