PreCalculus Homework Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Day 1 – Function Review Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_

**Complete on a separate sheet of paper.**

For each of the following functions a) name the type, b) find the Domain, c) find the Range, d) find the x and y intercepts, e) Find the maximum, f) find the minimum, g) how has the function translated from its mother function, and h) describe how the function increases/decreases from left to right.

|  |  |
| --- | --- |
| **Hours Spent Studying**  | **Math SAT Score** |
|  4 | 390 |
| 9 | 580 |
| 10 | 650 |
| 14 | 730 |
| 4 | 410 |
| 7 | 530 |
| 12 | 600 |
| 22 | 790 |
|  |  |

|  |  |
| --- | --- |
| **x**  | **g(x)**  |
| 0  | 2.30  |
| 10  | 5.97  |
| 20  | 15.47  |
| 30  | 40.13  |

1.  5. 6. 7.
2. 
3. 

4. 

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