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. 

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. 