Algebra II Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Piecewise Functions Date\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_\_\_\_

HW #6

1. Evaluate the following with the given function.
2. f(-5) b) f(0) c) f(4) d) f(5) e) f(10)



1. Graph the following function

f(x) = \_\_\_\_\_\_\_\_\_\_\_\_\_ f(x) = \_\_\_\_\_\_\_\_\_\_\_\_\_ f(x) = \_\_\_\_\_\_\_\_\_\_\_\_

Domain:\_\_\_\_\_\_\_\_\_\_\_\_ Domain:\_\_\_\_\_\_\_\_\_\_\_\_ Domain:\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |

Range: \_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_ Range:\_\_\_\_\_\_\_\_\_



3) Graph the following function:

f(x) = \_\_\_\_\_\_\_\_\_\_\_\_\_ f(x) = \_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |

Domain:\_\_\_\_\_\_\_\_\_\_\_\_ Domain:\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |

Range: \_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_



4) Graph the following function:

f(x) = \_\_\_\_\_\_\_\_\_\_\_\_\_ f(x) = \_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |

Domain:\_\_\_\_\_\_\_\_\_\_\_\_ Domain:\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |