Math 3/3H Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Per:\_\_\_

4.2 Domain, Range, and Symmetry of Functions

Determine if each relation is a function. Then, find the domain and range.

|  |  |
| --- | --- |
| 1.   | 2.  |
| 3.  | 4.  |
| 5. | 6. |
| 7.  | 8.   |

**Find the domain of each radical function algebraically. Support your answer graphically.**

|  |  |
| --- | --- |
| 9.   | 10.   |
| 11.   | 12.   |

**Find the domain of each rational function algebraically. Support your answer graphically.**

|  |  |
| --- | --- |
| 13.    | 14.   |
| 15.   | 16.   |
| 17.   | 18.   |

**Find the domain of each function algebraically.**

|  |  |
| --- | --- |
| 19.   | 20.   |

**Determine algebraically whether the function is even, odd, or neither.**

|  |  |
| --- | --- |
| 21.   | 22.   |
| 23.   | 24.   |
| 25.   | 26.   |