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. |