**Multiple Choice: [2] points each. You must show work/explain EVERY question for full credit.**

1.) Robin spent $17 at an amusement park for admission and rides. If she paid $5 for admission, and rides cost $3 each, what is the total number of rides that she went on?

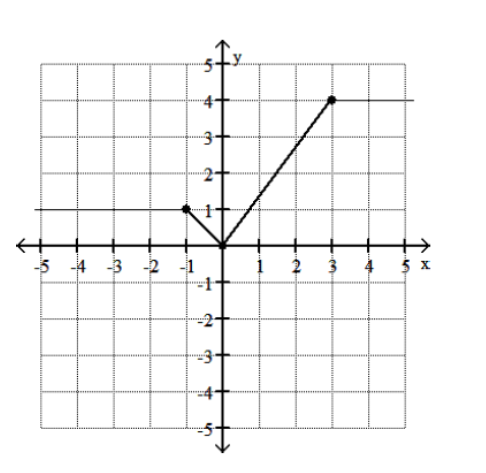
|  |  |  |  |
| --- | --- | --- | --- |
| 1) | 12 | 3) | 9 |
| 2) | 2 | 4) | 4 |

1.)\_\_\_\_\_\_\_\_\_

2.) Given the piecewise equation , determine f(-2).

|  |  |  |  |
| --- | --- | --- | --- |
| 1) | 6 | 3) | -4 |
| 2) | -5 | 4) | -1 |

2.)\_\_\_\_\_\_\_\_\_



3.) Determine the domain of the function.

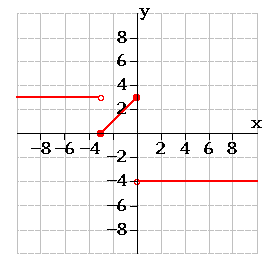
|  |  |  |  |
| --- | --- | --- | --- |
| 1) |  | 3) |  |
| 2) |  | 4) |  |

3.)\_\_\_\_\_\_\_\_\_

4.) Cindy has four more than twice as many CDs as Nina. If they have a total of 31 CDs, how many CDs does Nina have?

|  |  |  |  |
| --- | --- | --- | --- |
| 1) | 9 | 3) | 14 |
| 2) | 13 | 4) | 22 |

4.)\_\_\_\_\_\_\_\_\_

5.) Name the piecewise function to the right:

|  |  |  |  |
| --- | --- | --- | --- |
| 1) |  | 3) |  |
| 2) |  | 4) |  |

5.) \_\_\_\_\_\_\_\_\_

**Short Answer (2) points.**

6.) If , then solve for *w*, in terms of *x* and *y*.

.

**Short Answer (3) points.**

7.) Solve for k **AND** check : 

**Short Answer (5) points.**

8.) Graph the function.



b) State the domain of the function, in interval notation.

c) State the range of the function, in interval notation.