Domain and Range of a Function Quiz Demo

1. The domain of the function is the set of all possible value for the independent variable.

Answer

a) True

Demo

Refer to:

<http://www.ck12.org/algebra/Domain-and-Range-of-a-Function/lesson/Domain-and-Range-of-a-Function/>

“The set of all possible input values for the independent variable is called the **domain.”**

**The statement is true.**

2. The domain for this function: is all real number except .

Answer

b) False

Demo

The statement is false. The domain is all real number except

3. Identify the domain and range for

Answer

a)

Demo

All real number are possible for both domain and range.

4. Find the range for the given function when the domain is 0, 1, 2, and 3.

Answer

d)

Demo

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  | 1 |
|  |  | 8 |
|  |  | 27 |

5. Eli makes $20 an hour tutoring math. The number of hours Eli work would be the range of the function.

Answer

b) False

Demo

The number of hours Eli work would be the domain of the function.

6. The range for this function: , would be:

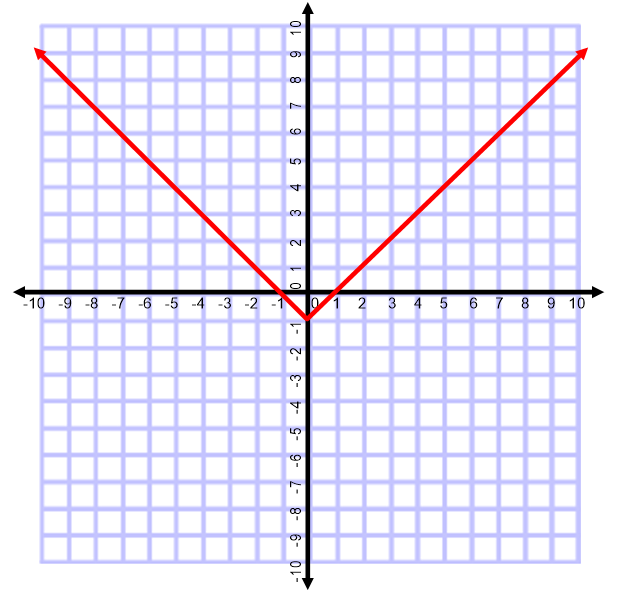
Answer

d) none of the above

Demo

The range for this function, would be

For the next two questions, use the graph displayed below to find your answer.

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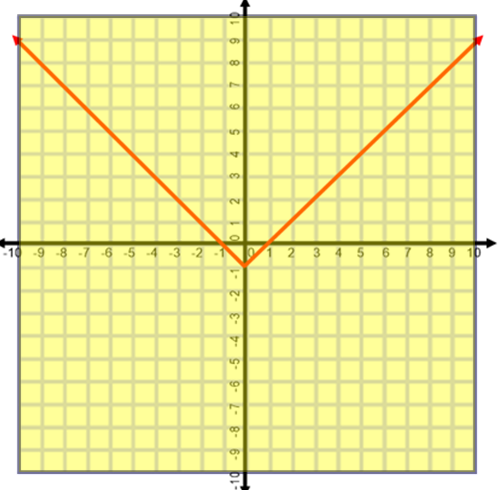
7. Which of the following correctly identify the domain of the function in the graph above?

Answer

c)

Demo

All real numbers can be used/seen in the graph for x-coordinates (domain).



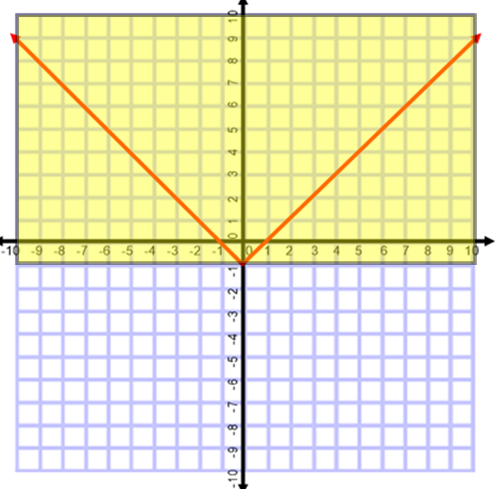
8. Which of the following correctly identify the range of the function in the graph above?

Answer

d)

Demo

The graph shows the lowest points reach and moves upwards in both directions. The range is as indicated in the highlighted section of the graph.



9. Jill earn $15 each hour worked at the market. The market set a limit for her work hours to be a maximum of 20 hours a week. For this type of situation, identify the domain of the function for the number of hours worked in a week.

Answer

d)

Demo

Jill can work zero hour to a maximum of 20 hours a week.