A) function

1) Describe a function

Example:  This function will calculate the amount on a Target employees paycheck.

2) Describe the Domain and any numbers that should be excluded.

Example:  The domain will be the number of hours that the employee works.  This number cannot be less than zero or greater than 60 due to HR restrictions.

3) Describe the Range and the values that are POSSIBLE

Example:  The employee makes $0 if she does not go to work or at most $15 x 60 since she makes $15 per hour.

4) Reply to one other post and give feedback on if what is described is actually a function or if restrictions are required to make it a function.

Example:  If the function is f(movie title) = total box office (this is David's example no one steal it) the restriction has to be that the studio ensures that no movie title repeats or is re-used under any circumstances. So, there cannot be two movies named Batman at the studio.

If you cannot describe the Domain or Range in words, then list 5 possible ordered pairs.

All requirements must be met to earn all of the points.  This will count as a Co-Req assignment (15% of your overall grade).

This is due February 1st!  Good Luck!!

Helpful Video Links

[Is a relationship a function?](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-linear-equations-functions/cc-8th-function-intro/v/testing-if-a-relationship-is-a-function%20)

[What is a function?](https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86%3Afunctions/x2f8bb11595b61c86%3Aevaluating-functions/v/what-is-a-function)

Math 1250

 B) Respond to this

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1) This function will show a relationship between states and the number of representatives each state has in the house of representatives.

F(x)= ( State, number of representatives)

2) In this relation, the domain is state.  This number cannot be less than 1 or greater than 53 because the state with the highest number in the house of representatives is California (53).

3) The range is the number of representatives and each state can only have a specific number of Representatives. Since 1 is the lowest number that a state can have in a house of representatives, all possible values can range between 1-53

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