## 1.1 Relations and Functions

Feb 2



Relation - values of the independent variable are paired with values of the dependent variable

Independent variable - does not depend on anything, such as time. (X)

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Dependent variable - depends on the independent



Function - a relation where each input has a unique output.



Vertical-line Test - if a vertical line anywhere on the relation passes through more than one point, then it is not a function.

ex. NOT A FUNCTION

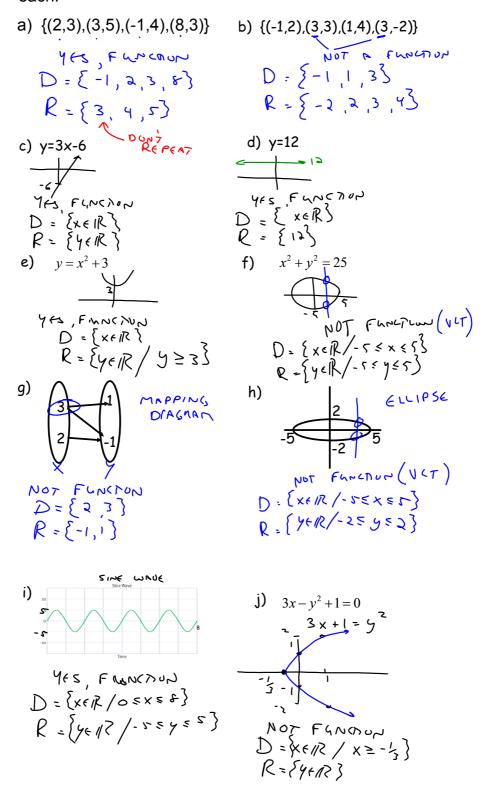
Domain - set of all possible values of the independent variable (x)



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:. R = {-3 , 2 , 7}

For each relation, determine if it also satisfies the properties of a function. State the domain and range of each.



Homework: p10 #1-4,6-9,11