**PreCalc Review- Functions:**

X variables- input; independent variable

Y variables-output; dependent variable

Relation:



Set of coordinates ordered pairs

|  |  |
| --- | --- |
| Domain | Range |
| 1 | 5 |
| 2 | -3 |
| 4 | 6 |
| 0 | 3 |

This relation IS a function

one to one function

Function- each x value results in exactly one y value

*x’s* ***can not*** *repeat*

[vertical line test]

**Algebraic Representation of Functions:**

1. y=4x D: 

R: 

1. 

Set denominator **not** equal to zero and solve for x

Set denominator **not** equal to zero and solve for x

D: U U 

-2



R: 

1. 

D: 

R: 

Set inside of radical 0

2

*For range: exceptions are -,0,+*

[**always** test these]

D: 

R: 

3

Set inside of radical >0

